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The MACNIFT HORTICULTURAL COMPANY INC.

VEGETABLE
SEED TRIALS
HORTICULTURE

CONDENSED GARDEN
SEED AND PLANT
- CATALOGUE -

OUR SILVER ANNIVERSARY

1909-19

196 GREENWICH STREET
NEW YORK CITY



1909 — OUR SILVER ANNIVERSARY — 1934

Twenty-Five Years of Faithful Horticultural Service

To our friends and customers, who have made our twenty-five years of Horticultural Service successful, we offer this, our 1934 Catalog.

We want to express our grateful appreciation to each and every one of our customers who have made it possible for us to enter upon our twenty-fifth Mile Stone, and to assure you that we will in the future, as in the past, offer you only the best in quality and service at the most reasonable prices possible.

While we are celebrating our Twenty-fifth Anniversary we are offering you in this Catalog a complete line of Seeds, Flower and Vegetable, Roses, Shrubs, Evergreens, Fruit Trees, Sprayers and Fertilizers, of the highest quality obtainable at exceptionally low prices in order that you might celebrate this Season with us.

Our Seeds are procured from the best crops, packed and tested by ourselves, therefore assuring you of the highest germination obtainable.

In our Plant Department, you will find a most complete assortment of Roses, Shrubs, Evergreens, Fruit Trees, Small Fruits, Perennial and Summer Flowering Bulbs. Our Plants are carefully selected and we devote two entire showrooms to the exhibition and sale of same. We also have two large cellars, properly ventilated and cooled in which these Plants are stored upon their arrival and kept in good condition until planted by you, thus insuring success.

At all times you will find a complete assortment of varieties in stock, so that you may call on your way home from business, select your requirements, take them along with you to be planted at once.

Again we would like to thank our patrons who have so loyally remained with us during the trying period of the depression which we have all passed through, and suffered from, to a more or less degree. You have, by your close contact with us, admitted without telling us in so many words, that the service is now, as has always been in the past, true to the MacNiff slogan, "Quality stock, true to name."

We hope to have your continued patronage. Our real aim is to please you and we spare no effort to conscientiously and faithfully serve you.

THE MACNIFF HORTICULTURAL CO., Inc.

196 Greenwich Street, New York City

(Near Fulton Street)

All Subways to Fulton St.—All Elevated Stations at Cortlandt St.

ORDERING, REMITTING, ACCOUNTING, FORWARDING, ETC.

Mail Orders Given Prompt Attention

No extra charge for postage on seeds in packets, ounces and quarter pounds. Add 10c per quart for peas, beans, corn and grass seed, if ordered to be sent by mail.

Remittances should be made by Express Money Order, P. O. Money Order, Bank Draft or Registered Letter. No goods sent C. O. D. unless 25 per cent. of their value accompanies the order. No perishable goods sent C. O. D.

We Forward as Customer Directs, by mail, express, freight or steamer. When no shipping instructions are given we send according to our judgment.

We Make No Charge for Shipping and Carting of any goods to any railroad station, steamship line or express office in New York City proper.

We Make No Charge for Packing except on plants, for which we charge cost. We charge for cloth bags, viz.: 1 peck, 15c.; 1/2 bushel, 20c.; 1 bushel, 30c.; 2 bushels, 50c.

We Guarantee Safe Arrival in the United States of all seeds.

Questions and Correspondence—We endeavor to answer promptly all letters of inquiry, which should be on separate paper from order.

The MacNiff Horticultural Co., Inc., gives no warranty, expressed or implied, as to description, quality, productiveness, or any other matter of any seeds and bulbs they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms they are at once to be returned.

UNITED STATES PARCEL POST RATES

Fourth Class Matter	First Pound or Fraction	Each Additional Pound or Fraction
Local Rate New York City.....	7c	1c
First Zone within 50 miles of New York.....	8c	2c
Second Zone within 150 miles of New York City.....	8c	2c
Third Zone within 300 miles of New York City.....	9c	3c
Fourth Zone within 600 miles of New York City.....	10c	4c
Fifth Zone within 1000 miles of New York City.....	11c	6c

On most of the articles listed in this catalog we have given the mailing weight. Size of Parcel that can be sent by Parcel Post.

Size of package cannot be over 100 inches in length and girth combined.

The rate of postage on mailable parcels weighing 4 oz., or less, is 2c for each oz. or fraction thereof and on those weighing more than 4 ozs., the pound rates shown in table will apply. Weights by Parcel Post.

Parcels up to 70 lbs. can be sent by parcel post to any zone.

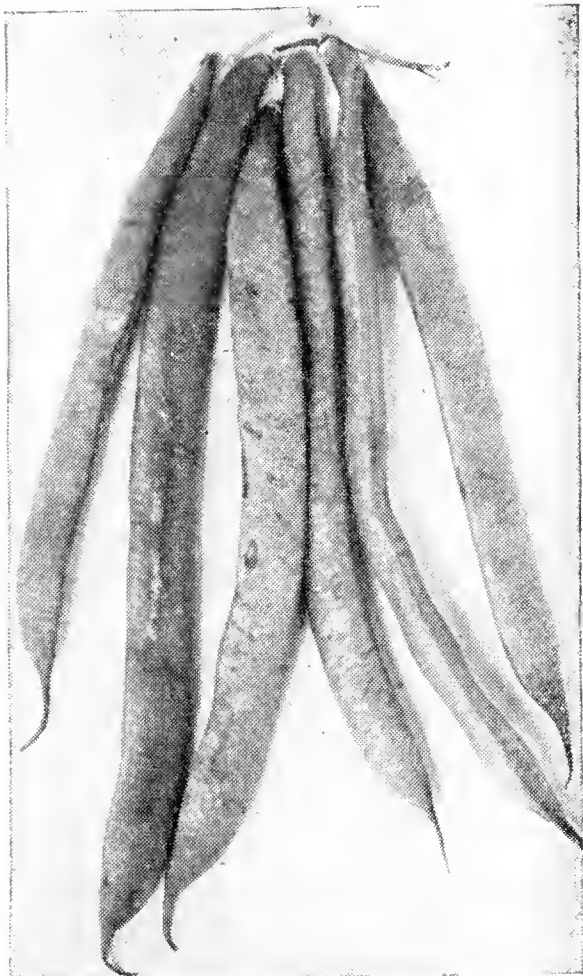
To points further than the second zone on weight over 10 lbs., the charge by freight or express is usually more economical.

TESTED VEGETABLE SEEDS

STANDARD AND NEW VARIETIES

The seeds listed in this catalog are the best standard varieties which have stood the test and proven all that is claimed for them.

BEANS



BOUNTIFUL

GREEN POD BUSH BEANS

One pound will plant 100 feet of drill.

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Bountiful	\$0.10	\$0.25	\$0.35	\$0.60	\$1.60
Black Valentine .....	.10	.25	.35	.60	1.60
Burpees .....	.10	.25	.35	.60	1.60
Dwarf Horticultural or Cranberry .....	.10	.25	.35	.60	1.60
Extra Early Refugee .....	.10	.25	.35	.60	1.60
Earliest Red Valentine .....	.10	.25	.35	.60	1.60
Giant Stringless Green-pod .....	.10	.25	.35	.60	1.60
Refugee or 1000 to 1 .....	.10	.25	.35	.60	1.60
Tendergreen .....	.10	.25	.35	.60	1.60

WAX POD BUSH BEANS

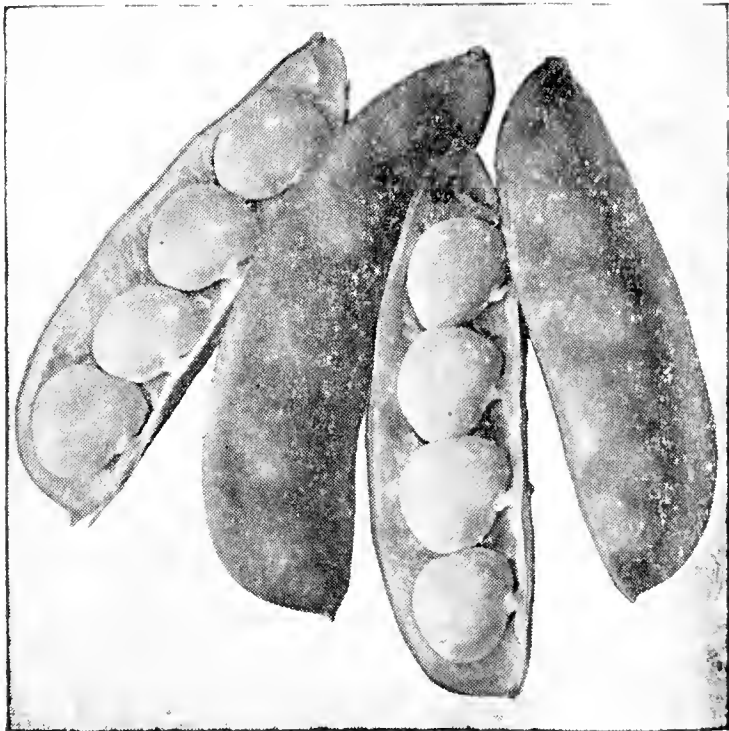
One pound will plant 100 feet of drill.

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Early Refugee Wax	\$0.10	\$0.25	\$0.35	\$0.60	\$1.60
Improved Black Wax .....	.10	.25	.35	.60	1.60
Improved Golden Wax .....	.10	.25	.35	.60	1.60
Wardwell's Kidney Wax .....	.10	.25	.35	.60	1.60

BUSH LIMA BEANS

One pound will plant 200 feet of drill.

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Burpee's Improved Bush Lima	\$0.10	\$0.30	\$0.40	\$0.70	\$2.00
Dreer's Bush Lima .....	.10	.30	.45	.85	2.75
Early Fordhook .....	.10	.30	.45	.85	2.75
Henderson's Bush Lima .....	.10	.25	.35	.60	2.00



KING OF THE GARDEN

POLE LIMA BEANS

Pkt. ½ lb. lb. 2 lbs. 8 lbs.

Dreer's Improved or Challenger	\$0.10	\$0.30	\$0.40	\$0.70	\$1.75
Early Leviathan .....	.10	.30	.40	.70	1.75
King of the Gar- den or Large White .....	.10	.30	.40	.70	1.75
New Ideal .....	.10	.30	.40	.70	1.75

POLE BEANS

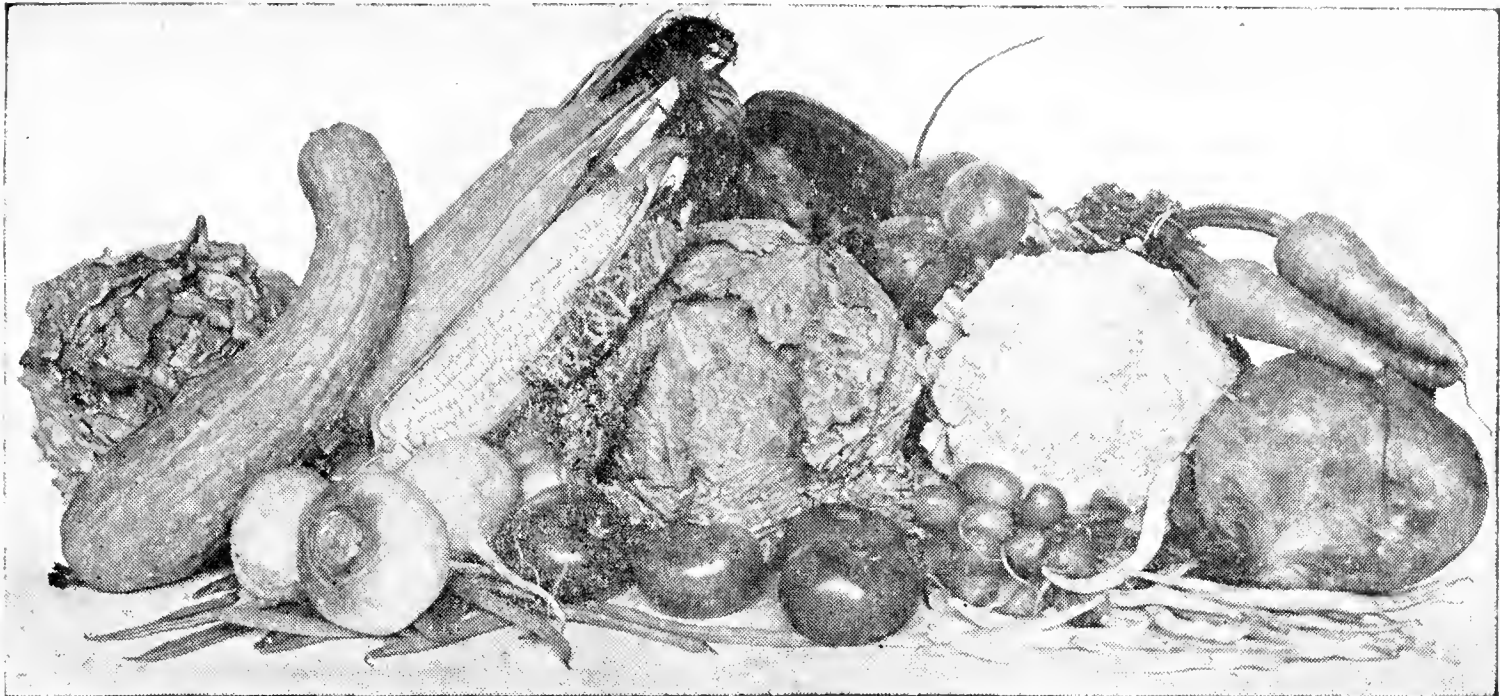
One pound will plant 200 hills.

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Golden Cluster Wax	\$0.10	\$0.30	\$0.40	\$0.70	\$1.75
Horticultural, or Cranberry .....	.10	.30	.40	.70	1.75
Old Homestead, or Kentucky Wonder .....	.10	.25	.35	.65	1.75
Scarlet Runner .....	.10	.30	.40	.70	1.75

BROCCOLI

Similar to Cauliflower in growth and culture; flavor not as delicate; hardier and valuable in northern climates where Cauliflower does not thrive.

	Pkt.	Oz.	¼ lb.
Italian Green Sprouting	\$0.10	\$0.60	\$1.75
Purple Cape .....	.10	.50	1.50
White Cape .....	.10	.50	1.50



VEGETABLE GROUP

BRUSSELS SPROUTS

One ounce will sow 200 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Dalkeith	\$0.10	\$0.20	\$0.65	\$2.00
Dwarf Improved .....	.10	.20	.65	2.00

CABBAGE

One ounce will produce 3,000 to 4,000 plants.

EARLY SUMMER CABBAGE

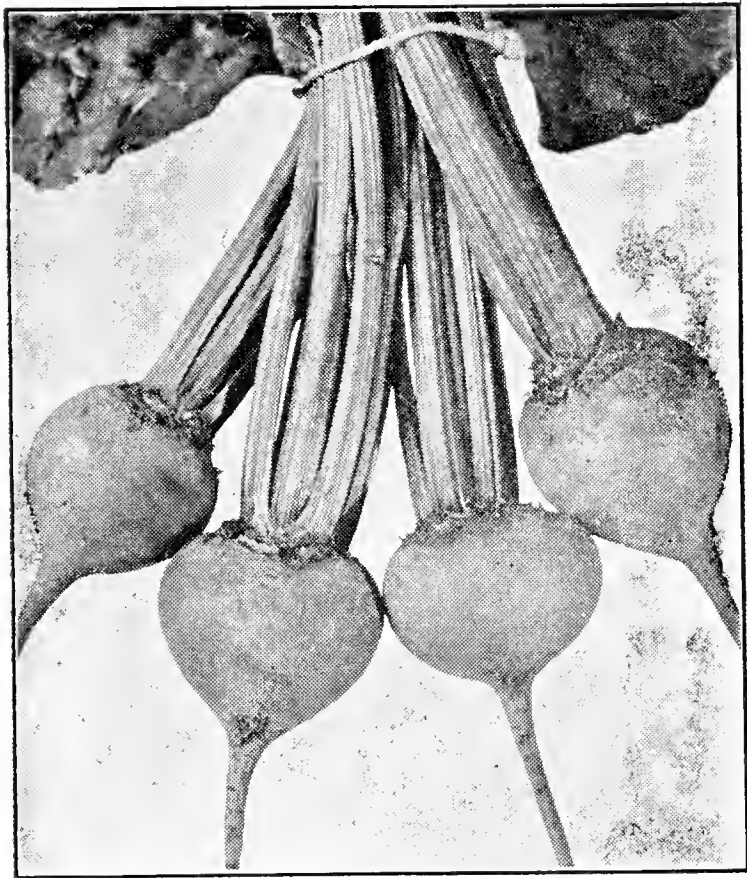
	Pkt.	Oz.	¼ lb.	lb.
Charleston, or Large				
Wakefield	\$0.10	\$0.25	\$0.65	\$2.25
Early Jersey Wakefield .....	.10	.25	.65	2.25
Early Spring .....	.10	.25	.65	2.25
Early Summer .....	.10	.25	.65	2.25

MID-SEASON

	Pkt.	Oz.	¼ lb.	lb.
Premium Flat Dutch.....	\$0.10	\$0.25	\$0.65	\$2.25
Succession .....	.10	.25	.65	2.25

LATE CABBAGE

	Pkt.	Oz.	¼ lb.	lb.
Autumn King	\$0.10	\$0.25	\$0.65	\$2.25
Mammoth Rock Red.....	.10	.25	.65	2.25
Perfection Drumhead				
Savoy .....	.10	.25	.65	2.25
Selected Flat Dutch.....	.10	.25	.65	2.25
Chinese Petsai .....	.10	.25	.65	2.25
Danish Ball Head.....	.10	.25	.65	2.25



EXTRA EARLY EGYPTIAN

BEETS

One ounce will sow 50 feet of drill, 5 to 6 pounds for an acre.

	Pkt.	Oz.	¼ lb.	lb.
Crosby's Extra Early				
Egyptian	\$0.10	\$0.15	\$0.40	\$1.15
Crimson Globe .....	.10	.15	.40	1.15
Detroit Dark Red.....	.10	.15	.40	1.15
Dewing's Improved				
Blood Turnip .....	.10	.15	.40	1.15
Early Blood Turnip.....	.10	.15	.40	1.15
Early Wonder .....	.10	.15	.40	1.15
Edmand's Blood Turnip..	.10	.15	.40	1.15
Eclipse .....	.10	.15	.40	1.15
Electri .....	.10	.15	.40	1.15
Half-Long .....	.10	.15	.40	1.15
Long Smooth Blood.....	.10	.15	.40	1.15
White Sugar .....	.10	.15	.40	1.15

MANGEL WURZEL BEETS

	Pkt.	¼ lb.	1 lb.
Colossal Long Red.....	\$0.10	\$0.25	\$0.60
Golden Tankard .....	.10	.25	.60

CARROTS

	Pkt.	Oz.	¼ lb.	lb.
Chantenay Half Long.....	\$0.10	\$0.20	\$0.45	\$1.25
Danver's Improved				
Half Long .....	.10	.20	.45	1.25
Early French Forcing.....	.10	.20	.45	1.25
Early Scarlet Horn.....	.10	.20	.45	1.25
Long Orange Improved .....	.10	.20	.45	1.25
New York Market.....	.10	.20	.45	1.25
Oxheart or Gurande.....	.10	.20	.45	1.25
Half Long Red				
Stump Rooted .....	.10	.20	.45	1.25

CAULIFLOWER

One ounce of seeds will produce about 3,000 plants.

	Pkt.	¼ oz.	½ oz.
MacNiff's Peerless	\$0.15	\$0.75	\$1.25
Selected Extra Early			
Dwarf Erfurt .....	.15	.75	1.25
Snowball .....	.15	.75	1.25

CELERY

One ounce will produce 5,000 plants.

	Pkt.	½ oz.	1 oz.
Giant Pascal	\$0.10	\$0.20	\$0.35
Golden Self-Blanching .....	.10	.40	.70
White Plume .....	.10	.20	.35
Winter Queen .....	.10	.20	.35

CELERIAC

TURNIP-ROOTED CELERY

One ounce will produce about 5,000 plants.

	Pkt.	½ oz.	1 oz.
Erfurt Giant	\$0.10	\$0.20	\$0.35
Large Smooth Prague.....	.10	.20	.35

CHERVIL

One ounce will sow about 150 feet of drill.

Used for flavoring soups and salads, and for garnishing like Parsley but grows more rapidly and can be used sooner.

	Pkt.	Oz.	¼ lb.
Curled	\$0.10	\$0.15	\$0.35

CHICORY

One ounce will sow 100 feet of drill.

	Pkt.	Oz.	¼ lb.
Large Rooted	\$0.10	\$0.20	\$0.50
Whitloof Chicory .....	.10	.25	.75

COLLARDS

	Pkt.	Oz.	¼ lb.	lb.
True Georgia	\$0.10	\$0.15	\$0.30	\$0.85

CORN SALAD, or FETTICUS

One ounce will sow 150 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Large Seeded	\$0.10	\$0.20	\$0.50	\$1.50

CRESS, or PEPPER GRASS

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Extra-Curled	\$0.10	\$0.20	\$0.40	\$1.00
Water Cress .....	.10	.45	1.50	4.50

CUCUMBER

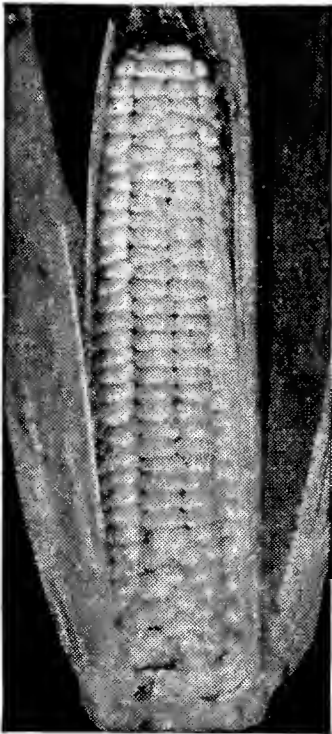
One ounce for 50 hills, 2 pounds for 1 acre.

	Pkt.	Oz.	¼ lb.	lb.
Cool and Crisp.....	\$0.10	\$0.20	\$0.45	\$1.35
Early Fortune .....	.10	.20	.45	1.35
Everbearing .....	.10	.20	.45	1.35
Green Prolific .....	.10	.20	.45	1.35
Improved White Spine....	.10	.20	.45	1.35
Japanese Climbing .....	.10	.20	.45	1.35
Livingston's Evergreen ...	.10	.20	.45	1.35
Long Green .....	.10	.20	.45	1.35
Short Green or Gherkin .10	.20	.45	1.35	

CORN

SWEET OR SUGAR

One pound will plant 200 hills; 8 to 10 quarts to an acre in hills.



GOLDEN BANTAM

SUGAR CORN

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Cory, White Cob.....	\$0.10	\$0.20	\$0.35	\$0.60	\$1.60
Early Minnesota .....	.10	.20	.35	.60	1.60
Early Metropolitan ...	.10	.20	.35	.60	1.60
Golden Bantam .....	.10	.20	.35	.60	1.60
Howling Mob .....	.10	.20	.35	.60	1.60
Whipple's					
Early Yellow .....	.10	.20	.35	.60	1.60

MID-SEASON

De Lues Golden Giant	.10	.20	.35	.60	1.60
Black Mexican .....	.10	.20	.35	.60	1.60

LATE

Country Gentlemen ...	.10	.20	.35	.60	1.60
Stowell's Evergreen....	.10	.20	.35	.60	1.60

DANDELION

One ounce will sow about 100 feet of drill.

	Pkt.	½ oz.	1 oz.	¼ lb.
Large-Leaved	\$0.10	\$0.40	\$0.75	\$2.50
Common .....	.10	.30	.50	1.75

ENDIVE

One ounce will sow 150 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Broad Leaved Batavian				
(Escarolle)	\$0.10	\$0.20	\$0.45	\$1.25
French Moss Curled.....	.10	.20	.45	1.25
Green Curled .....	.10	.20	.45	1.25
White Curled .....	.10	.20	.45	1.25

EGG PLANT

One ounce will produce about 1,000 plants.

	Pkt.	Oz.	¼ lb.	lb.
Black Beauty	\$0.10	\$0.50	\$1.50	
New York Improved Spineless .....	.10	.50	1.50	

KALE or BORECOLE

One ounce will sow 150 feet of drill.

Much grown for the production of "greens" for late Autumn or Winter use, quality improved by frost, endures almost zero weather. Used when cooked, like Spinach, and in natural state for garnishing. Thin or transplant to stand about 2 feet apart each way.

	Pkt.	Oz.	¼ lb.	lb.
Brown German	\$0.10	\$0.15	\$0.35	\$1.00
Dwarf Green Curled				
Scotch .....	.10	.15	.35	1.00
Siberian Kale or Sprouts .....	.10	.15	.30	1.00

KOHL-RABI

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Early White Vienna.....	\$0.10	\$0.25	\$0.65	\$2.25
Early Purple Vienna.....	.10	.25	.65	2.25

LEEK

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
American Flag	\$0.10	\$0.25	\$0.70	\$2.25
Large Rouen .....	.10	.25	.70	2.25
Musselburgh .....	.10	.25	.70	2.25

LETTUCE

One ounce will produce about 3,000 plants.



BOSTON LETTUCE

	Pkt.	Oz.	¼ lb.	lb.
All Seasons	\$0.10	\$0.20	\$0.50	\$1.25
Big Boston .....	.10	.20	.50	1.25
Boston Market .....	.10	.20	.50	1.25
Early Curled Simpson.....	.10	.20	.50	1.25
Golden Queen .....	.10	.20	.50	1.25
Grand Rapids .....	.10	.20	.50	1.25
Improved Hanson .....	.10	.20	.50	1.25
May King .....	.10	.20	.50	1.25
New York .....	.10	.20	.50	1.25
Salamander Improved .....	.10	.20	.50	1.25

ROMAINE or COS. LETTUCE

	Pkt.	Oz.	¼ lb.	lb.
Paris White Cos.....	.10	.20	.50	1.50
Trianon Self-Closing				
Cos. ....	.10	.20	.50	1.50

MUSTARD

One ounce will sow about 100 feet of drill.

	Pkt.	Oz.	¼ lb.	lb.
Black	\$0.10	\$0.15	\$0.30	\$0.70
Chinese .....	.10	.15	.30	.70
Giant Southern Curled.....	.10	.15	.30	.70
White London .....	.10	.15	.30	.70

MUSKMELON

	Pkt.	Oz.	¼ lb.	lb.
Emerald Gem	\$0.10	\$0.15	\$0.35	\$1.25
Extra Early Hackensack .....	.10	.15	.35	1.25
Jenny Lind .....	.10	.15	.35	1.25
Miller's Cream or Osage .....	.10	.15	.35	1.25
Montreal Market .....	.10	.15	.35	1.25
Nutmeg Improved .....	.10	.15	.35	1.25
Paul Rose .....	.10	.15	.35	1.25
Rocky Ford Improved.....	.10	.15	.35	1.25

WATERMELON

One ounce will plant about 50 hills.

	Pkt.	Oz.	¼ lb.	lb.
Cole's Early	\$0.10	\$0.15	\$0.35	\$1.00
Florida Favorite .....	.10	.15	.35	1.00
Kolb's Gem .....	.10	.15	.35	1.00
Mountain Sweet .....	.10	.15	.35	1.00

ONIONS

One ounce will sow 100 feet of drill, 4 to 5 pounds, 1 acre.

	Pkt.	Oz.	¼ lb.	lb.
Ailsa Craig	\$0.10	\$0.25	\$0.75	\$2.50
Bermuda Red .....	.10	.35	.85	3.00
Bermuda White .....	.10	.35	.85	3.00
Giant White Garganus				
or Silver King.....	.10	.25	.75	2.50
Prizetaker .....	.10	.25	.65	2.25
Queen .....	.10	.25	.75	2.50
Southport White Globe.....	.10	.25	.75	2.50
Southport Yellow Globe .....	.10	.25	.75	2.50
Southport Red Globe.....	.10	.25	.65	2.50
Red Wethersfield .....	.10	.25	.60	1.75
White Portugal, or				
Silver Skin .....	.10	.25	.75	2.50
Yellow Globe Danvers.....	.10	.20	.60	1.75

ONION SETS

	Pt.	Qt.	Peck
Red Onion Sets.....	\$0.20	\$0.30	\$1.15
Yellow Onion Sets.....	.20	.30	1.15
White Onion Sets.....	.25	.35	1.35

Prices of Onion Sets in larger quantities on application.

OKRA

One ounce will plant 100 hills.

	Pkt.	Oz.	¼ lb.	lb.
Dwarf Prolific	\$0.10	\$0.15	\$0.25	\$0.70
Improved Long Green.....	.10	.15	.25	.70
White Velvet .....	.10	.15	.25	.70

PARSLEY

	Pkt.	Oz.	¼ lb.	Lb.
Extra Double Curled.....	\$0.10	\$0.15	\$0.40	\$1.00
Emerald .....	.10	.20	.40	1.00
Hamburg .....	.10	.20	.40	1.00
Moss Curled .....	.10	.20	.40	1.00
Plain Leaved .....	.10	.15	.35	.90

PARSNIP

One ounce will plant about 150 feet of drill, 5 or 6 lbs. to acre.

	Pkt.	Oz.	¼ lb.	Lb.
Hollow Crown	\$0.10	\$0.15	\$0.30	\$0.90

PEAS



AMERICAN WONDER PEAS

One pound will plant about 100 feet of drill,
1½ to 2 bushels an acre.

FIRST EARLY

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
American Wonder	\$0.10	\$0.20	\$0.35	\$0.60	\$1.60
Alaska .....	.10	.20	.35	.60	1.60
MacNiff's					
Earliest-of-all .....	.10	.20	.35	.60	1.60
Grahus or					
Prosperity .....	.10	.20	.35	.60	1.60
Little Gem .....	.10	.20	.35	.60	1.60
Little Marvel .....	.10	.20	.35	.60	1.60
Nott's Excelsior .....	.10	.20	.35	.60	1.60
Premium Gem .....	.10	.20	.35	.60	1.60
Springtide .....	.10	.20	.35	.60	1.60
Thomas Laxton .....	.10	.20	.35	.60	1.60

SECOND-EARLY or MID-SEASON

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Advancer	\$0.10	\$0.20	\$0.35	\$0.60	\$1.60
Everbearing .....	.10	.20	.35	.60	1.60
Laxtonian .....	.10	.20	.35	.60	1.60
Onward .....	.10	.20	.35	.60	1.60
Stratagem .....	.10	.20	.35	.60	1.60

LATE OR MAIN CROP

	Pkt.	½ lb.	lb.	2 lbs.	8 lbs.
Champion of					
England	\$0.10	\$0.20	\$0.35	\$0.60	\$1.60
Juno .....	.10	.20	.35	.60	1.60
Shropshire Hero .....	.10	.20	.35	.60	1.60
Telephone .....	.10	.20	.35	.60	1.60
World's Record .....	.10	.20	.35	.60	1.60

PEPPER

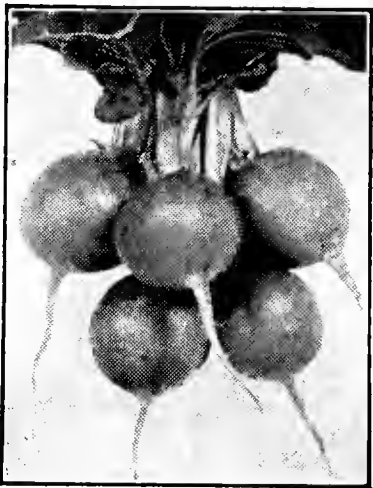
One ounce will produce about 1,500 plants.

	Pkt.	Oz.	¼ lb.
Large Bell, or Bull Nose.....	\$0.10	\$0.40	\$1.25
Long Red Cayenne.....	.10	.40	1.25
Ruby King .....	.10	.40	1.25
Sweet Mountain .....	.10	.40	1.25

PUMPKIN

One ounce for 25 hills; 3 pounds for an acre.

	Pkt.	Oz.	¼ lb.	Lb.
Connecticut Field	\$0.10	\$0.15	\$0.30	\$0.80
Jumbo, or King				
of Mammoths .....	.10	.25	.60	1.50
Large Cheese .....	.10	.15	.25	.75
Large or Mammoth Tour .....	.10	.20	.50	1.50
New England Pie.....	.10	.15	.40	1.25
Winter Luxury .....	.10	.15	.40	1.25



RADISH

EARLY SCARLET TURNIP

RADISH

WHITE TIPPED SCARLET TURNIP

One ounce will sow about 100 feet of drill.

EARLY TURNIP-SHAPED VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Early Scarlet Turnip.....	\$0.10	\$0.15	\$0.30	\$0.90
Early White Turnip.....	.10	.15	.30	.90
Early Scarlet Globe.....	.10	.15	.30	.90
Rapid Forcing .....	.10	.15	.30	.90
White Tipped Early				
Scarlet Turnip .....	.10	.15	.30	.90

OLIVE-SHAPED VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
French Breakfast	\$0.10	\$0.15	\$0.25	\$0.90

EARLY LONG VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Icicle	\$0.10	\$0.15	\$0.30	\$0.90
Long Scarlet Short Top .....	.10	.15	.30	.90
Long White Vienna,				
or Lady Finger.....	.10	.15	.30	.90

SUMMER VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Giant White Stuttgart.....	\$0.10	\$0.15	\$0.30	\$0.90
White Strasburg .....	.10	.15	.30	.90

WINTER VARIETIES

	Pkt.	Oz.	¼ lb.	Lb.
Long Black Spanish.....	\$0.10	\$0.15	\$0.30	\$0.90
Rose China Winter.....	.10	.15	.30	.90
White Celestial .....	.10	.15	.30	.90

RHUBARB

SEE RHUBARB ROOTS PAGE 23

SALSIFY or OYSTER PLANT

One ounce will sow 50 feet of drill.

The roots of Salsify are a highly esteemed nutritious Winter vegetable, some of which may be dug up in November, and stored in sand in the vegetable cellar, and some left in the open garden for use very early in the following Spring.

Mammoth Sandwich Island, Pkt., 10c; oz., 25c; 1/4 lb., 75c; lb., \$2.50.

SPINACH

One ounce will sow about 100 feet of drill; 10 to 12 pounds an acre.

	Pkt.	Oz.	1/4 lb.	Lb.
Long Standing	\$0.10	\$0.15	\$0.25	\$0.60
New Zealand .....	.10	.15	.30	.85
Norfolk				
Savoy-Leaved .....	.10	.15	.20	.50
Prickly Seeded .....	.10	.15	.20	.50
Round Thick-Leaved .....	.10	.15	.20	.50
Victoria .....	.10	.15	.20	.50
Viroflay .....	.10	.15	.20	.50

SWISS CHARD

	Pkt.	Oz.	1/4 lb.	Lb.
Lucullus	\$0.10	\$0.15	\$0.35	\$0.90
Fordhook Giant .....	.10	.15	.35	.90

SORREL

One ounce will sow 100 feet of drill.

Broad-Leaved French. Pkt. 10c, oz. 25c, 1/4 lb. 60c.

SQUASH

SUMMER VARIETIES

	Pkt.	Oz.	1/4 lb.	Lb.
Giant Bush Summer				
Crookneck	\$0.10	\$0.20	\$0.50	\$1.25
Golden Custard .....	.10	.20	.50	1.25
Vegetable Marrow .....	.10	.20	.50	1.25
White Bush Scalloped,				
or "Patty Pan" .....	.10	.20	.50	1.25

AUTUMN or WINTER VARIETIES

	Pkt.	Oz.	1/4 lb.	Lb.
Boston Marrow	\$0.10	\$0.20	\$0.50	\$1.25
Golden Hubbard .....	.10	.20	.50	1.25
Hubbard .....	.10	.20	.50	1.25

TOMATOES

SECOND, EARLY AND MAIN CROP VARIETIES

	Pkt.	Oz.	1/4 lb.
Acme	\$0.10	\$0.40	\$1.15
Beauty .....	.10	.40	1.15
Crimson Cushion .....	.10	.50	1.75
Dwarf Champion .....	.10	.45	1.25
Dwarf Stone .....	.10	.45	1.50
Earliana .....	.10	.40	1.15
Livingston's Globe .....	.10	.40	1.15
Ponderosa .....	.15	.60	1.75
Stone .....	.10	.40	1.15

TOMATOES (Continued)

Preserving Tomatoes

	Pkt.	Oz.	1/4 lb.
Red Cherry	\$0.10	\$0.65	\$1.75
Red Plum .....	.10	.65	1.75
Red Peach .....	.10	.65	1.75
Red Pear .....	.10	.65	1.75
Yellow Cherry .....	.10	.65	1.75
Yellow Pear .....	.10	.65	1.75
Yellow Plum .....	.10	.65	1.75

TURNIPS

WHITE VARIETIES

One ounce will sow 200 feet of drill; 1 to 2 pounds an acre.

	Pkt.	Oz.	1/4 lb.	Lb.
Early White Milan	\$0.10	\$0.20	\$0.35	\$0.90
Extra Early Purple				
Top Milan .....	.10	.20	.35	.90
Early Snowball .....	.10	.20	.30	.75
Early White Flat Dutch .....	.10	.20	.30	.75
Long White, or Cow				
Horn .....	.10	.20	.30	.75
Purple Top White Globe .....	.10	.20	.30	.75
Red, or Purple Top				
Strap Leaf .....	.10	.20	.30	.75
White Egg .....	.10	.20	.30	.75

YELLOW VARIETIES

	Pkt.	Oz.	1/4 lb.	Lb.
Golden Ball or Orange				
Jelly	\$0.10	\$0.20	\$0.30	\$0.75
Purple Top Yellow				
Aberdeen .....	.10	.20	.30	.75
Yellow Globe .....	.10	.20	.30	.75
Yellow Stone .....	.10	.20	.30	.75

RUTA BAGA

RUSSIAN, or SWEDISH TURNIP

	Pkt.	Oz.	1/4 lb.	Lb.
Improved American				
Purple Top	\$0.10	\$0.15	\$0.30	\$0.80
Long Island Improved .....	.10	.15	.30	.80

HERBS

	Pkt.	Oz.
Anise	\$0.10	\$0.25
Balm .....	.10	.50
Basil, Sweet .....	.10	.25
Borage .....	.10	.25
Caraway .....	.10	.25
Cardoon .....	.10	.40
Catnip or Catmint .....	.15	.65
Chives .....	.15	.75
Coriander .....	.10	.20
Dill .....	.10	.15
Fennel, Sweet .....	.10	.20
Horehound .....	.10	.45
Lavender .....	.10	.60
Sweet Marjoram .....	.10	.35
Rosemary .....	.10	.50
Rue .....	.10	.45
Saffron .....	.10	.40
Sage .....	.10	.50
Summer Savory .....	.10	.25
Tarragon .....	.15	1.50
Thyme .....	.15	.70
Wormwood .....	.10	.40

FLOWER SEEDS

WILD FLOWER—GRANDMOTHER’S

This collection contains many of the leading varieties of ANNUAL and PERENNIAL FLOWER SEEDS. The Annual Varieties will bloom the first season after sowing of seeds, and the following season the perennial varieties will blossom. Sow the above seeds in permanent border for best results.

Price, Pkt. 10c; 1 oz., 30c; 4 ozs., \$1.00; 1 lb., \$2.00

ASTERS

Simple’s Branching Asters. Of American origin; late blooming, tall and producing a unique type of remarkably handsome, large blooms on long stems, unsurpassed for cutting. Separate colors as follows:

White	Shell Pink	Flesh Pink
Lavender	Crimson	Dark Blue
Purple	Carmine	Light Blue
Rose Pink	Lilac	Mixed Colors
Pkt.	1⁄8 oz.	1⁄4 oz.
\$0.10	\$0.25	\$0.40

Queen of the Early Asters. Valuable especially for their early blooming habit; flowers of medium size, appearing 2 to 4 weeks before those of the larger flowering varieties.

Rose Pink	Light Blue	Lilac
White	Dark Blue	Lavender
Crimson	Purple	Mixed Colors
	Shell Pink	
Pkt.	1⁄8 oz.	1⁄4 oz.
\$0.10	\$0.25	\$0.40

Asters Victoria. Mixed Colors.
Asters Giant Comet. Mixed Colors
Aster Crysanthemum. Mixed Colors.

Pkt.	1⁄8 oz.	1⁄4 oz.
\$0.10	\$0.25	\$0.40

SWEET ALYSSUM

	Pkt.	1⁄4 oz.	1 oz.
Carpet of Snow.....	\$0.10	\$0.30	\$1.00
Dwarf Bouquet .....	.10	.30	1.00
Little Gem .....	.10	.30	1.00
Maritimum .....	.10	.15	.25

ACHILLEA

Hardy Perennial. Small Double White flowers throughout the season.

	Pkt.	1⁄8 oz.	1⁄4 oz.
The Pearl	\$0.10	\$0.75	\$1.25

AGERATUM

	Pkt.	1⁄8 oz.	1⁄4 oz.
Mexicanum White	\$0.10	\$0.20	\$0.35
Mexicanum Blue .....	.10	.20	.35
Little Dorrit Blue.....	.10	.25	.40
Little Dorrit White.....	.10	.25	.40

AGROSTEMMA

	Pkt.	1⁄4 oz.	1 oz.
Coronaria Finest Mixed.....	\$0.10	\$0.25	\$0.60

AMARANTHUS

	Pkt.	1⁄4 oz.	1 oz.
Tricolor Splendens (Joseph’s Coat)	\$0.10	\$0.25	\$0.75

ANEMONE (Wind Flower)

Hardy Perennial, Beautiful Showy flowers.

	Pkt.	1⁄8 oz.	1⁄4 oz.
St. Brigid mixed colors.....	\$0.10	\$0.50	\$1.75

AQUILEGIA (Columbine)

	Pkt.	1⁄4 oz.	1 oz.
Single Varieties, Mixed.....	\$0.10	\$0.25	\$0.75
Double Varieties, Mixed.....	.10	.35	1.25

BALSAM (Lady’s Slipper)

	Pkt.	1⁄4 oz.	1 oz.
Finest Double Mixed.....	\$0.10	\$0.20	\$0.75

BEGONIA

	Pkt.	1⁄8 oz.	1⁄4 oz.
Vernon	\$0.20	\$1.25	\$4.00

BELLIS PERENNIS

(English Daisy)

	Pkt.	1⁄8 oz.	1⁄4 oz.
Monstrosa Pink	\$0.10	\$1.00	\$1.50
Monstrosa Red .....	.10	1.00	1.50
Monstrosa White .....	.10	1.00	1.50
Monstrosa Mixed Colors.....	.10	.35	.60

CALLIOPSIS or COREOPSIS

	Pkt.	1⁄4 oz.	1 oz.
Drummondii (Golden Wave)			
Annual	\$0.10	\$0.25	\$0.75
Lanceolata, Large, Golden			
Yellow Perennial .....	.10	.25	.75

CALENDULA

(Pot Marigold)

	Pkt.	1⁄4 oz.	1 oz.
Meteor	\$0.10	\$0.25	\$0.75
Prince of Orange.....	.10	.25	.75
Finest Mixed Varieties.....	.10	.20	.60

CAMPANULA



CANTERBURY BELLS

Hardy perennials bearing bell-shaped flowers; good border plants.

	Pkt.	1/4 oz.	1 oz.
Single Mixed	\$0.10	\$0.25	\$0.75
Double Mixed .....	.10	.35	1.00

CANARY BIRD VINE

Tall climbing annual, Yellow Fringed Flowers.

	Pkt.	1/4 oz.	1/2 oz.
	\$0.10	\$0.20	\$0.30

CANDYTUFT

(Iberis)

ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Empress, Pure white, Large truss	\$0.10	\$0.30	\$0.75
Hybrids, Dwarf, mixed.....	.10	.25	.75

CARDINAL CLIMBER

	Pkt.	1/4 oz.	1 oz.
Quamolit Scarlet	\$0.10	\$0.30	\$1.00

CASTOR OIL PLANT

(See Ricinus)

CHRYSANTHEMUM

ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Single Varieties in Many Colors, Mixed	\$0.10	\$0.25	\$0.75
Leucanthemum, mixed .....	.10	.35	1.00
Double Varieties, mixed.....	.10	.25	.75
Hardy Perennial, mixed.....	.10	.35	1.00

CARNATIONS

	Pkt.	1/8 oz.	1/4 oz.
Hardy Garden, Finest Mixed Double	\$0.10	\$0.50	\$0.75
Giant Margaret, Finest Mixed .....	.10	.30	.50

CELOSIA CRISTATA

(Cockscomb)

	Pkt.	1/4 oz.	1 oz.
Tall Mixed Colors.....	\$0.10	\$0.50	\$1.00
Dwarf Mixed .....	.10	.65	1.75

CELOSIA, THOMPSON'S FEATHERED
Feathered or Plumed Celosia

	Pkt.	1/4 oz.	1 oz.
Mixed Colors	\$0.10	\$0.35	\$1.00

CHILDSII

(Chinese Wool Flower)

	Pkt.	1/4 oz.	1 oz.
Mixed Varieties	\$0.10	\$0.75	\$1.75

CLARKIA ELEGANS

An annual that grows to a height of about two feet and does well in any soil.

	Pkt.	1/4 oz.	1 oz.
	\$0.10	\$0.35	\$1.25

CORN FLOWER

(Centaurea Cyanus)

(Also called Blue Bottle, Bachelor's Button and Ragged Sailor.)

	Pkt.	1/8 oz.	1/4 oz.
Single Mixed, Cyanus.....	\$0.10	\$0.20	\$0.35
Double Mixed, Cyanus.....	.10	.25	.35
Double Dark Blue, Cyanus.....	.10	.35	.60
Emperor William .....	.10	.20	.35

IMPERIAL SWEET SULTANS

(Centaurea Imperials)

	Pkt.	1/8 oz.	1/4 oz.
Imperialis, Mixed Colors.....	\$0.10	\$0.15	\$0.25

CENTAUREA

SILVER-LEAVED VARIETIES

	Pkt.	1/8 oz.	1/4 oz.
Candidissima	\$0.10	\$0.25	\$0.45
Gymnocarpa (Dusty Miller).....	.10	.15	.25

COBAEA

	Pkt.	1/4 oz.	1 oz.
Scandens, Blue	\$0.10	\$0.25	\$0.90
Scandens, White .....	.10	.30	1.15

CONVOLVULUS

(Morning Glory)

	Pkt.	Oz.	1/4 lb.
Major, mixed varieties, tall.....	\$0.10	\$0.15	\$0.30
Dwarf mixed varieties.....	.10	.15	.30

COSMOS

EARLY-FLOWERING DWARF COSMOS

	Pkt.	1/4 oz.	1 oz.
Mixed	\$0.10	\$0.20	\$0.70

LATE GIANT-FLOWERING TALL COSMOS

	Pkt.	1/4 oz.	1 oz.
Pink, White, Crimson.....	\$0.10	\$0.30	\$0.75
Lady Lenox, Pink.....	.10	.30	.75
Lady Lenox, White.....	.10	.30	.75
Mixed .....	.10	.30	.75

CYPRESS VINE

(Ipomaea Quamoclit)

	Pkt.	1/4 oz.	1 oz.
Mixed	\$0.10	\$0.15	\$0.35

DAHLIA

	Pkt.	1/8 oz.	1/4 oz.
Single Mixed	\$0.10	\$0.25	\$0.40
Double Mixed .....	.10	.35	.60

DELPHINIUM

(Perennial Larkspur)

	Pkt.	1/8 oz.	1/4 oz.
Bella Donna, Light Blue.....	\$0.15	\$0.50	\$0.85
Chinese (Blue Butterfly).....	.10	.40	.75
Finest Mixed Chinensis.....	.10	.40	.75
Formosum Blue .....	.15	.75	1.25
Gold Medal Hybrids, mixed.....	.15	.75	1.25

DIANTHUS



DIANTHUS
(Pinks)

DOUBLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Chinensis fl. pl. Mixed.....	\$0.10	\$0.30	\$0.75

SINGLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Chinensis, Single Mixed.....	\$0.10	\$0.30	\$0.75
Heddewigii, Single flowered form .....	.10	.30	.75

DIDISCUS COERULEUS

	Pkt.	1/8 oz.	1/4 oz.
Blue Lace Flower.....	\$0.10	\$0.25	\$0.50

DIGITALIS

(Foxglove)

Gloxinoides Varieties. Flowers Resemble
Gloxinia blooms.

	Pkt.	1/4 oz.	1 oz.
Finest Mixed	\$0.10	\$0.30	\$0.60

DOLICHOS

(Climbing Bean)

	Pkt.	1/4 oz.	1 oz.
Hyacinth Bean, Mixed Colors...	\$0.10	\$0.15	\$0.20

ESCHSCHOLTZIA

(California Poppy)

	Pkt.	1/4 oz.	1 oz.
Finest Mixed Single.....	\$0.10	\$0.25	\$0.50
Finest Mixed Double.....	.10	.30	1.00

EUPHORBIA

	Pkt.	1/4 oz.	1 oz.
Variegata	\$0.10	\$0.25	\$0.75

GAILLARDIA

(Blanket Flower)

ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Lorenzia, fl. pl. mixed.....	\$0.10	\$0.25	\$0.75

GAILLARDIA PERENNIAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Grandiflora. Mixed	\$0.10	\$0.35	\$1.00

GODETIA

	Pkt.	1/4 oz.	1 oz.
Tall Finest Mixed.....	\$0.10	\$0.30	\$0.75
Dwarf Mixed .....	.10	.40	1.00

GOURDS

(Ornamental)

	Pkt.	1/4 oz.	1 oz.
Ornamental Finest Mixed.....	\$0.10	\$0.15	\$0.30

GYPSOPHILA

(Baby's Breath)

	Pkt.	1/4 oz.	1 oz.
Paniculata White	\$0.10	\$0.20	\$0.30

HELIANTHUS

(Sunflower)

SINGLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Cucumerifolius Stella (Cut-and-Come-Again)	\$0.10	\$0.20	\$0.50

DOUBLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Tall Double Mixed.....	\$0.10	\$0.20	\$0.60

HELICHRYSUM

(Strawflower)

	Pkt.	1/4 oz.	1 oz.
Monstrosum fl. pl. Fine Mixed...	\$0.10	\$0.25	\$0.75



HOLLYHOCK—DOUBLE

HOLLYHOCK

CHARTER'S STRAIN, DOUBLE
VARIETIES BIENNIALS

	Pkt.	1/8 oz.	1/4 oz.
White			
Crimson			
Rose			
Salmon			
Scarlet			
Yellow			
Maroon			
Newport			
Pink			
Above named varieties.....	\$0.10	\$0.50	\$0.75
Tall Double Mixed.....	.10	.30	.50

HUMULUS JAPONICUS

(Japanese Hop)

	Pkt.	1/4 oz.	1 oz.
Japonicus Climber	\$0.10	\$0.30	\$0.50

IPOMOEA

	Pkt.	1 oz.	4 oz.
Imperial Japanese Climbing			
Morning Glory	\$0.10	\$0.20	\$0.50
White Moon Flower.....	.10	.50	1.50

KOCHIA

	Pkt.	1/2 oz.	1 oz.
Trichophylla, Summer Cy- press, or Mexican Firebush.....	\$0.10	\$0.15	\$0.30

LARKSPUR

DOUBLE STOCK-FLOWERED ANNUAL TYPE			
	Pkt.	1/4 oz.	1 oz.
Tall, Stock-Flowered Mixed.....	\$0.10	\$0.50	\$1.00
Dwarf, Stock-Flowered Mixed.....	.10	.25	.75

LATHYRUS LATIFOLIUS

(Hardy Pea)

	Pkt.	1/4 oz.	1 oz.
Mixed Colors	\$0.10	\$0.40	\$0.80

LOBELIA

ANNUAL DWARF COMPACTA

	Pkt.	1/4 oz.	1 oz.
Emperor William Blue.....	\$0.10	\$0.50	\$1.50

LUNARIA (Honesty)

(Biennis)

	Pkt.	1/4 oz.	1 oz.
Violet	\$0.10	\$0.50	\$1.50

LUPINUS

	Pkt.	1/4 oz.	1 oz.
Mixed Colors	\$0.10	\$0.15	\$0.30



FRENCH MARIGOLD

MARIGOLD

	Pkt.	1/8 oz.	1/4 oz.
Little Brownie, Legion of Honor.....	\$0.10	\$0.15	\$0.25
African Tall, Mixed.....	.10	.20	.35
French Dwarf, Mixed.....	.10	.20	.35
Guinea Gold .....	.15	.50	.75

MARVEL OF PERU

(Four O'Clock)

	Pkt.	1 oz.	4 oz.
Mixed	\$0.10	\$0.15	\$0.50

MIGNONETTE

(Reseda)

	Pkt.	1/2 oz.	1 oz.
Marchet Perfection	\$0.10	\$0.25	\$0.50
Odorata .....	.10	.20	.35

MOMORDICA

	Pkt.	1/4 oz.	1 oz.
Balsamina—(Balsam Apple)	\$0.10	\$0.40	\$0.75

MYOSOTIS

(Forget-Me-Not)

	Pkt.	1/4 oz.	1 oz.
Alpestris Blue	\$0.10	\$0.30	\$0.75

NASTURTIUMS

(Tropaeolum)

CLIMBING, OR TALL VARIETIES

Tall Varieties

	Pkt.	Oz.	1/4 lb.	Lb.
Finest Mixed	\$0.10	\$0.15	\$0.40	\$1.00

NASTURTIUM DWARF BEDDING

Compact; bushy plants about a foot high; effective in beds and borders; produce very freely flowers similar in form and color to those of the tall varieties.

	Pkt.	Oz.	1/4 lb.	Lb.
Dwarf Finest Mixed.....	\$0.10	\$0.15	\$0.40	\$1.00

NASTURTIUM

NEW GIANT-FLOWERED

These bear in great profusion during a long period, flowers of gigantic size in a great diversity of rich colors.

	Pkt.	Oz.	1/4 lb.	Lb.
Giant Tall Mixed.....	\$0.10	\$0.15	\$0.40	\$1.00
Giant Dwarf Mixed.....	.10	.15	.40	1.00

NASTURTIUM

NEW DOUBLE SWEET SCENTED

	Pkt.	1/2 oz.	1 oz.
Golden Gleam	\$0.10	\$0.40	\$0.75

NICOTIANA

(Sweet-Scented Tobacco)

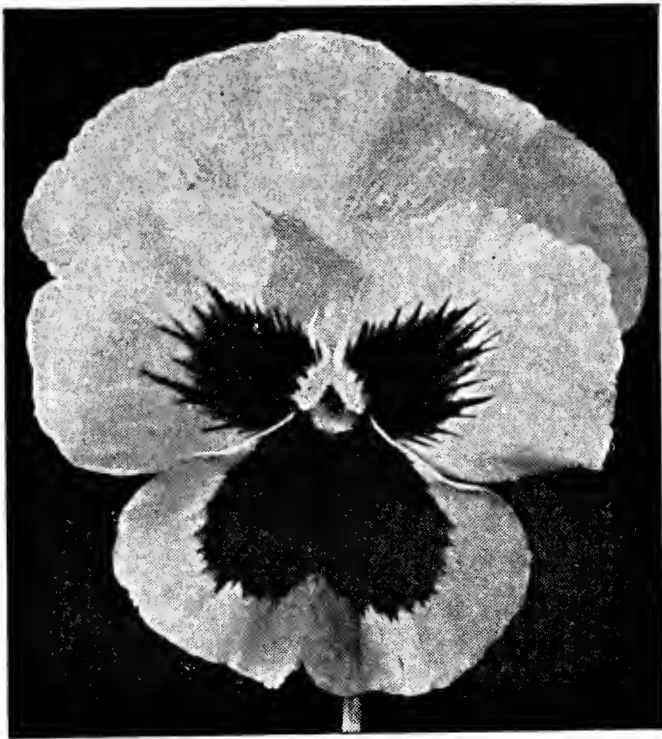
	Pkt.	1/4 oz.	1 oz.
Affinis	\$0.10	\$0.40	\$0.75

NIGELLA

(Love-in-the-mist)

	Pkt.	1/4 oz.	1 oz.
Damascena, Devil-in-the Bush Blue	\$0.10	\$0.20	\$0.60

PANSIES



PANSY

	Pkt.	1/8 oz.	1/4 oz.
MacNiff's Special Mixture.....	\$0.15	\$0.50	\$0.75
Trimardeau Mixed .....	.10	.35	.60
Good Mixed .....	.10	.25	.40

PENTSTEMON

	Pkt.	1/8 oz.	1/4 oz.
Mixed	\$0.15	\$0.60	\$1.00

PETUNIAS

	Pkt.	1/4 oz.	1 oz.
Howards Star, rich crimson white in center.....	\$0.10	\$0.75	\$1.50
Single Mixed Colors.....	.10	.30	.75
Double Mixed Colors.....	.30		
Balcony Blue .....	.25		
Balcony Mixed .....	.25		

PORTULACA

SINGLE GRANDIFLORA

	Pkt.	1/4 oz.	1 oz.
Finest Mixed	\$0.10	\$0.20	\$0.60

DOUBLE GRANDIFLORA

	Pkt.	1/8 oz.	1/4 oz.
Finest Mixed	\$0.10	\$0.45	\$0.85

POPPIES

SINGLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Glaucum (Tulip Poppy).....	\$0.10	\$0.30	\$0.75
Shirley Mixed .....	.10	.15	.30

DOUBLE ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Carnation Flowercd Mixed.....	\$0.10	\$0.15	\$0.30
Paenoy-Flowered Mixed .....	.10	.15	.30

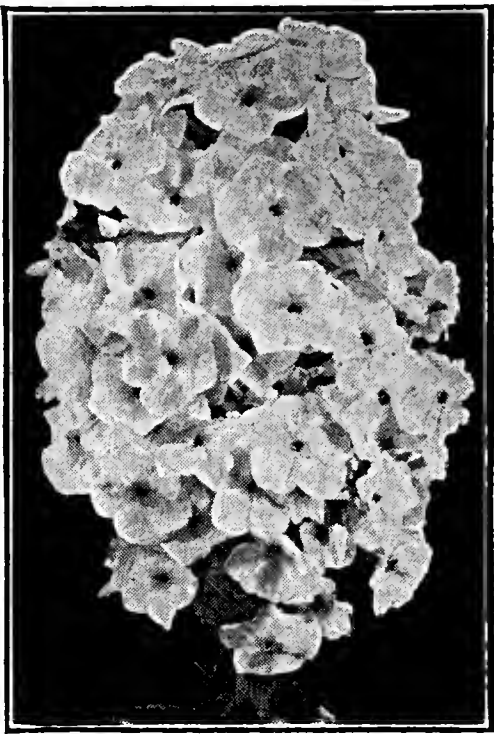
PERENNIAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Orientele Scarlet	\$0.10	\$0.50	\$1.50
Orientele Mixed colors.....	.10	.70	2.00
Flanders Field Scarlet.....	.10	.15	.40

PYRETHRUM

	Pkt.	1/4 oz.	1 oz.
Aureum Golden	\$0.10	\$0.30	\$0.75
	Pkt.	1/8 oz.	
Double Hybrids Mixed.....	\$0.15	\$1.00	

PHLOX DRUMMONDI



PHLOX

PHLOX DRUMMONDI
(ANNUAL PHLOX)

	Pkt.	1/8 oz.	1/4 oz.
Grandiflora Varieties			
Crimson	\$0.10	\$0.30	\$0.50
Lilac .....	.10	.30	.50
White .....	.10	.30	.50
Flesh .....	.10	.30	.50
Primrose .....	.10	.30	.50
Grandiflora, Mixed .....	.10	.20	.35
Perennial Phlox Decussata, Large Flowering. Tall Hybrids.			
Perennial Mixed .....	.10	.40	.75
Large Flowering. Dwarf Hybrids.			
Perennial Mixed .....	.10	.50	.90

RICINUS

(Castor Oil Plant)

	Pkt.	1/2 oz.	1 oz.
Borboniensis arboreus	\$0.10	\$0.15	\$0.20
Cambodgensis .....	.10	.15	.20
Gibsoni .....	.10	.15	.20
Sanguineus .....	.10	.15	.20
Zanzibariensis. Mixed .....	.10	.15	.20
All Species Mixed.....	.10	.15	.20

RUDBECKIA

	Pkt.	1/4 oz.	1 oz.
Yellow Golden Glow.....	\$0.10	\$0.50	\$1.50

SALPIGLOSSIS

(Painted Tongue)

	Pkt.	1/4 oz.	1 oz.
Grandiflora. Mixed	\$0.10	\$0.40	\$1.00

SALVIA

(Flowering Sage)

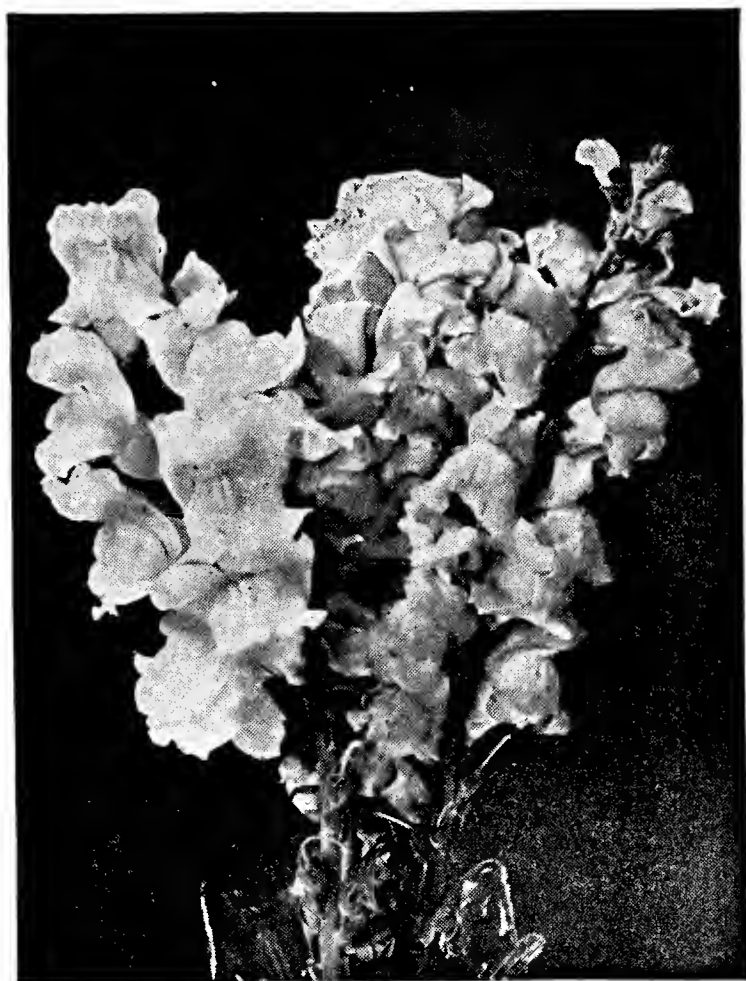
	Pkt.	1/8 oz.	1/4 oz.
Bonfire (Clara Bedman).....	\$0.10	\$0.35	\$0.65
Splendens .....	.10	.30	.50

SCABIOSA

(Mourning Bride)

ANNUAL VARIETIES

	Pkt.	1/4 oz.	1 oz.
Tall Double. Finest Mixed.....	\$0.10	\$0.25	\$0.50

SNAPDRAGON**SNAPDRAGON**

	Pkt.	1/8 oz.	1/4 oz.
Giant Flowering Tall, Finest mixed varieties	\$0.10	\$0.25	\$0.40
Dwarf Varieties Mixed Colors.....	.10	.40	.75

SWEET PEAS

In this mixture will be found all the finest high-grade varieties of the old favorite grandiflora type.

	Pkt.	Oz.	1/4 lb.	Lb.
Choice Mixed	\$0.10	\$0.20	\$0.50	\$1.50

**GIANT ORCHID-FLOWERED, or
SPENCER SWEET PEAS**

This type of Sweet Peas, variously called "Orchid-Flowered," "Spencer" and "Waved" Sweet Peas, is for most uses a great improvement on the "Grandiflora" type. The Vines are very robust and tall; the wavy-petaled flowers are large and three or four often are borne on each of the very strong stems.

This collection of Sweet Peas is composed entirely of the large flowered Spencer type. The making up of this mixture has been performed under entirely careful supervision.

This is an unsurpassed mixture of Sweet Peas.

	Pkt.	1 oz.	4 oz.	1 lb.
Spencer Mixed	\$0.10	\$0.25	\$0.60	\$1.75

STOKESIA**(Cornflower Astor)**

	Pkt.	1/8 oz.	1 oz.
Cyanea, Mixed	\$0.10	\$1.00	\$2.50

STOCKS**(Ten Week)****GIANT DOUBLE-FLOWERED**

	Pkt.	1/8 oz.	1/4 oz.
Dwarf Double Mixed	\$0.10	\$0.30	\$0.50
Tall Double Mixed .....	.10	.30	.50

SCHIZANTHUS**(Butterfly Flower)**

	Pkt.	1/4 oz.	1 oz.
Hybridus Grandiflorus			
Finest Mixed	\$0.10	\$0.15	\$0.50

SWEET WILLIAM**(Dianthus Barbatus)**

	Pkt.	1/4 oz.	1 oz.
Single Mixed	\$0.10	\$0.30	\$0.60
Double Mixed .....	.10	.40	1.00

VERBENA**MAMMOTH FLOWERING**

	Pkt.	1/4 oz.	1 oz.
Hybrida Choice Mixed	\$0.10	\$0.50	\$1.00

VINCA**(Madagascar Periwinkle)**

	Pkt.	1/4 oz.	1 oz.
Alba, White Pink eye	\$0.10	\$0.30	\$1.00
Alba pure, Pure white .....	.10	.30	1.00
Rosea, Pink .....	.10	.30	1.00
Mixed Colors .....	.10	.25	.75

WALLFLOWER**ANNUAL VARIETIES**

	Pkt.	1/4 oz.	1 oz.
Single Finest Mixed	\$0.10	\$0.20	\$0.75
Double Mixed .....	.15	.80	3.00

**DAHLIA FLOWERED ZINNIA****ZINNIA****GIANT-FLOWERED DOUBLE VARIETIES**

	Pkt.	1/4 oz.	1 oz.
Dwarf Giant Flowering mixed	\$0.10	\$0.35	\$1.15
Tall Giant Flowering mixed .....	.10	.35	1.15

SCARLET	WHITE
YELLOW	PINK
CRIMSON	ROSE
LILAC	

	Pkt.	1/4 oz.	1 oz.
All above varieties	\$0.10	\$0.35	\$1.15

DAHLIA FLOWERED ZINNIAS

These mammoth flowering Zinnias have been named Dahlia Flowering on account of the immense size of the blooms.

SCARLET	ROSE
YELLOW	WHITE
CRIMSON	EXQUISITE
GOLDEN STATE	POLAR BEAR
PINK	

	Pkt.	1/4 oz.	1 oz.
All above varieties	\$0.15	\$0.50	\$1.50
Mixed Colors .....	.10	.50	1.50

DECIDUOUS FLOWERING SHRUBS

All Shrubs listed below are strong two and three-year-old plants.

Each

- Almond Pink.** Our Almonds are grafted on Prunifolia. They thrive better than when grafted on Peach. Beautiful double rose-shaped blooms on full length of stem. Extra strong Plants..... .50
- Almonds White.** Beautiful double rose-shaped blooms on full length of stem. Extra strong Plants..... .50
- Althea.** Red Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants..... .25
Extra large Plants..... .35
- Althea.** Pink Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants..... .25
Extra large Plants..... .35
- Althea.** White Rose of Sharon, flowers after other shrubs are through blooming. Medium size Plants..... .25
Extra large Plants..... .35
- Aralia Pentaphylla.** Very distinct shrub. Yellowish green flowers..... .35
- Aronia Arbutifolia.** Red chokeberry. White flowers, with red berries. Flower in April and May, 3 to 4 foot specimen plants..... .65
- Buddleia Magnifica.** Summer lilac. Strong plants; blooms mid-summer till frost. Medium size Plants..... .25
Extra strong Plants..... .35



BUDDLEIA BUTTERFLY BUSH

- Bridal Wreath.** See Spiraea Thunbergii.
- Callicarpa Purpurea.** White flowers, followed with violet berries. Flower August until mid-winter50
- Calycanthus.** Sweet or strawberry shrub, Carolina Alspice. Flowers chocolate color. Blooms in May. Speciment Plants..... .40
- Clethra Alnifolia.** Fragrant white. Flowers during July and August. Speciment Plants 2 to 3 feet..... .50

Coral Berry. See Symphorcarpus.

Each

- Cornus Florida.** Large White Flowering Dogwood. Strong growing shrub or tree. Specimen Plants, 2 to 3 feet high..... .75
- Cornus Amomum.** Silky Dogwood. Extra strong Plants, 2 to 3 feet..... .40
- Cornus Sanguinea.** Well known red branched Dogwood. Very attractive in winter with its blood red branches. Plants 2 to 3 feet high40
- Cornus Siberica.** Bright red bark in winter. Plants 2 to 3 feet..... .40
Speciment Plants50
- Cornus Stolonifera.** Branches red, usually red in winter with white fruit. Plants 2 to 3 feet high..... .30
3 to 4 feet..... .60
- Cornus Stolonifera Lutea.** Goldentwig Dogwood, excellent for Winter effects with its bright yellow bark. Plants 2 to 3 feet..... .35
- Crab Flowering.** See Malus.
- Cydonia Japonica.** Red flowering Japanese Quince. Very beautiful. Flowers in early Spring. Plants 18 to 24 inches..... .50
Plants 2 to 3 feet high..... .65
- Desmodium Penduliflorum.** Beautiful reddish purple flowers in August..... .50
- Deutzia Candida.** Double pure white flowering. Plants 18 to 24 inches high..... .25
2 to 3 feet high..... .35
- Deutzia Crenata.** Double Pinkish White. Plants 18 to 24 inches high..... .25
Plants 2 to 3 feet high..... .35
- Deutzia Gracilis.** Dwarf compact shrub. Pure white flowers. Price..... .50
- Deutzia Pride of Rochester.** Double Pink flowering. Plants 18 to 24 inches..... .25
Specimen Plants, 2 to 3 feet..... .40
- Deutzia Lemoine.** Double White flowering. 18 to 24 in. high..... .35



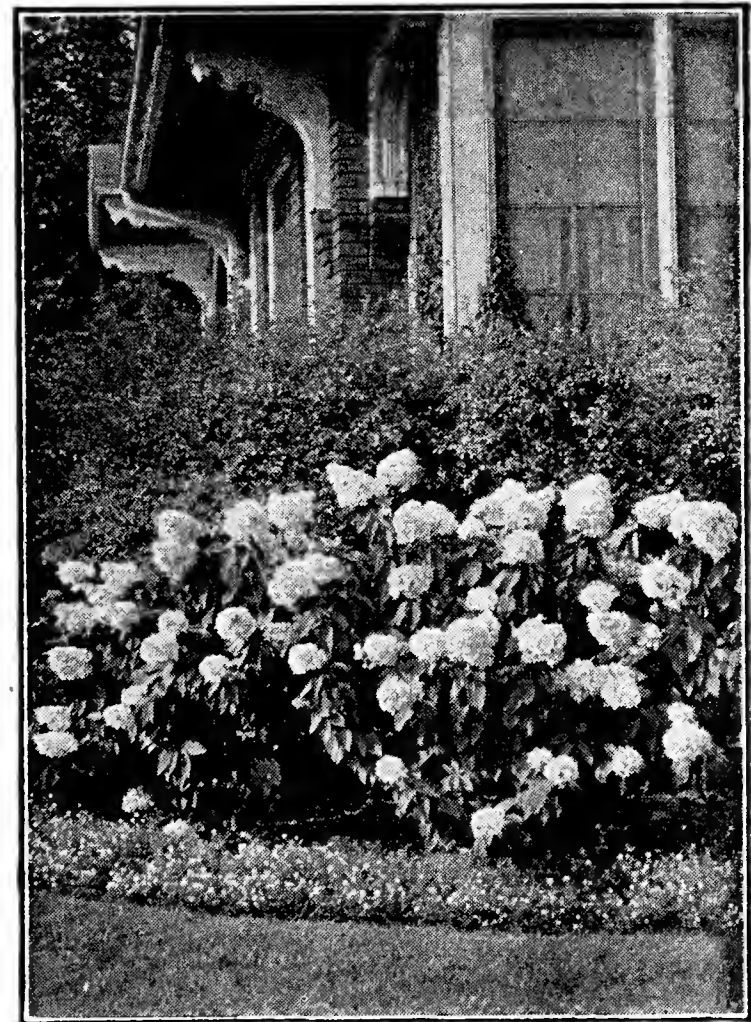
DEUTZIA LEMOINE

Deutzias bloom in spring or early summer.

- Dogwood.** See Cornus.
- Exochorda Grandiflora.** Pearl Bush. Dazzling white flowers in May. Specimen Plants..... .50

DECIDUOUS FLOWERING SHRUBS (Continued)

	Each
Forsythia Fortueni. Golden Bell flowers in April. Medium size Plants, 2 to 3 feet high .....	.35
Extra large Plants, 3 to 4 feet.....	.50
Forsythia Intermedia. Yellow Flowering Bells. Bloom in April.	
2 to 3 feet.....	.35
3 to 4 feet.....	.50
Forsythia Suspensa. Golden Bells pendulus in habit. Beautiful Shrub blooms in April.	
18 to 24 inches.....	.35
Extra large Plants, 2 to 3 feet.....	.60
Forsythia Viridissima. Yellow flowering in April. Medium size Plants 18 to 24 inches	.25
Large Plants, 2 to 3 feet.....	.35
Specimen Plants, 3 to 4 feet.....	.50
Hamamelis Virginiana. Bright yellow flowers, in late Autumn. Price.....	.50



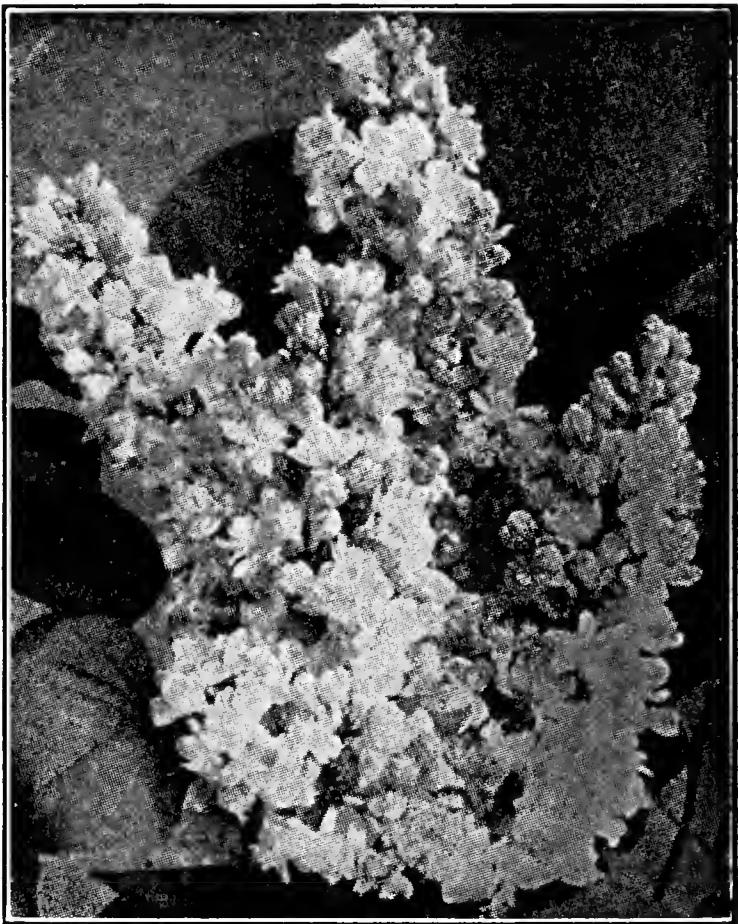
HYDRANGEA P. G. PLANTING

Hydrangea Paniculata Grandiflora. Bush Form. Large white cone-shaped flowers in late Summer, turning dark pink in Fall.	
Plants, 12 to 18 inches.....	.25
Plants, 18 to 24 inches.....	.35
Plants, 2 to 3 feet.....	.50
Hydrangea Arborescens. Mountain of snow. Beautiful white flowering shrubs, grows 4 to 5 feet high. Large clusters of white flowers, measuring 4 to 6 inches across. Flowers from early June to late July.	
Plants. 18 to 24 inches, 25c ea., dozen.....	2.50
Plants to to 3 feet, 35c ea., dozen.....	3.50

TREE HYDRANGEA

See Ornamental Trees

	Each
Honeysuckle Bush. See <i>Lonicera</i> .	
Japan Quince. See <i>Cydonia</i> .	
Kolkowitzia Amabilis. (Beauty Bush). These gorgeous bushes are a mass of pink flowers in May, resembling the <i>Wegelia</i> , and cover the entire bush.	
Plants, 18 to 24 inches.....	.50
Kerria Japonica. Yellow flowers, June to October.	
Plants, 2 to 3 feet.....	.65
Lilac. Large purple flowering. Plants 18 to 24 inches.....	.25
Plants, 2 to 3 feet.....	.35
Plants, 3 to 4 feet.....	.50



FRENCH LILACS

Lilac. Large white flowering. Plants 18 to 24 inches .....	.35
Specimen Plants, 2 to 3 feet.....	.50

LILACS—FRENCH DWARF

Lilac Chas. X. Reddish purple, 18 to 24 inches .....	.50
2 to 3 feet.....	.65
Lilac Mme. Lemoine, white, 18 to 24 inches	.50
2 to 3 feet.....	.65
Lilac Pres. Grevy, Violet, 18 to 24 inches.....	.50
2 to 3 feet.....	.65
Lilac Ludwig Spaeth, Red, 18 to 24 inches.....	.50
2 to 3 feet.....	.65
Lonicera. Fragrantissima; Bush Honeysuckle.	
Plants, 18 to 24 inches.....	.25
Specimen Plants, 2 to 3 feet.....	.35
Lonicera, Morrowii. Drooping habit, white flowers in May, bright red fruits during summer and autumn months. Plants 2 to 3 feet .....	.40
Mock Orange. See <i>Philadelphus</i> .	

DECIDUOUS FLOWERING SHRUBS (Continued)

	Each
Philadelphus. Coronarius Mock Orange, also known as fragrant Syringa. Very sweet scented white flowers. Blooms in May.	
Plants, 18 to 24 inches.....	.25
Plants, 2 to 3 feet.....	.30
Specimen Plants, 3 to 4 feet.....	.40



MOCK ORANGE PHILADELPHUS VIRGINAL

Philadelphus Virginalis (8 foot). The best of all the Mockoranges, with very fragrant, semi-double flowers produced throughout the entire Summer in large clusters. Plants, 18 to 24 inches..... .50

Pussy Willow. See *Salix*.

Rose of Sharon. See *Althea*.

Salix Caprea. Pussy Willow. Very ornamental in Spring, with its Pussy buds and also a very rapid growth shrub for screen work. Plants, 2 to 3 feet..... .25
Per dozen 2.50

Sambucus Canadensis. Broad heads of white flowers in June, with dark red berries in Autumn, known as the Elderberry. Specimen plants, 3 to 4 feet..... .50

Snowball. See *Viburnum*.

Snowberry and Coral Berry. See *Symphoricarpus*.

Spiraea Anthony Waterer. Dwarf habit grows about 2 feet. Purplish red flowers. In bloom entire Summer and Fall.
Plants, 15 to 18 inches..... .25
Plants, 18 to 24 inches..... .35

	Each
Spiraea Frobeli. Same as Anthony Waterer, but more sturdy in habit. Flowers rose color.	
Plants, 12 to 18 inches.....	.25
Plants, 18 to 24 inches.....	.35

Spiraea Billardi. Bright pink flowers during July and August.
Plants, 2 to 3 feet..... .35

Spiraea Opuifolia. Flat clusters of white flowers in June, followed with red fruit. Very ornamental shrub.
Plants, 2 to 3 feet..... .30
Plants, 3 to 4 feet..... .50

Spiraea Prunifolia. Bridal Wreath Blooms early Spring, 2 to 3 feet..... .60

Spiraea Reevesiana. Rapid grower. Double white flowers, 2 to 3 feet..... .50

Spiraea Van Houttei. Graceful pendulous white flowers and beautiful foliage. Makes a wonderful hardy hedge and beautiful when grown as specimen plants. Blooms in June.

	Each	Dozen
Plants, 18 to 24 inches.....	.25	2.50
Plants, 2 to 3 feet.....	.30	3.00
Plants, 3 to 4 feet.....	.40	4.00
Plants, 4 to 5 feet.....	.50	5.00



SPIRAEA VAN HOUTTEI

Spiraea Thumbergii.
Blooms early in Spring. Drooping white flowers. Sometimes called Bridal Wreath.
Plants, 18 to 24 inches..... .25
Plants, 2 to 3 feet..... .35

Stephandra Flexuosa. Leaves finely cut like the Japanese maple, which turn red in the Fall. Mass of small white blossoms. Very ornamental shrubs.
Plants, 2 to 3 feet..... .50

Summer Lilac. See *Buddleia*.

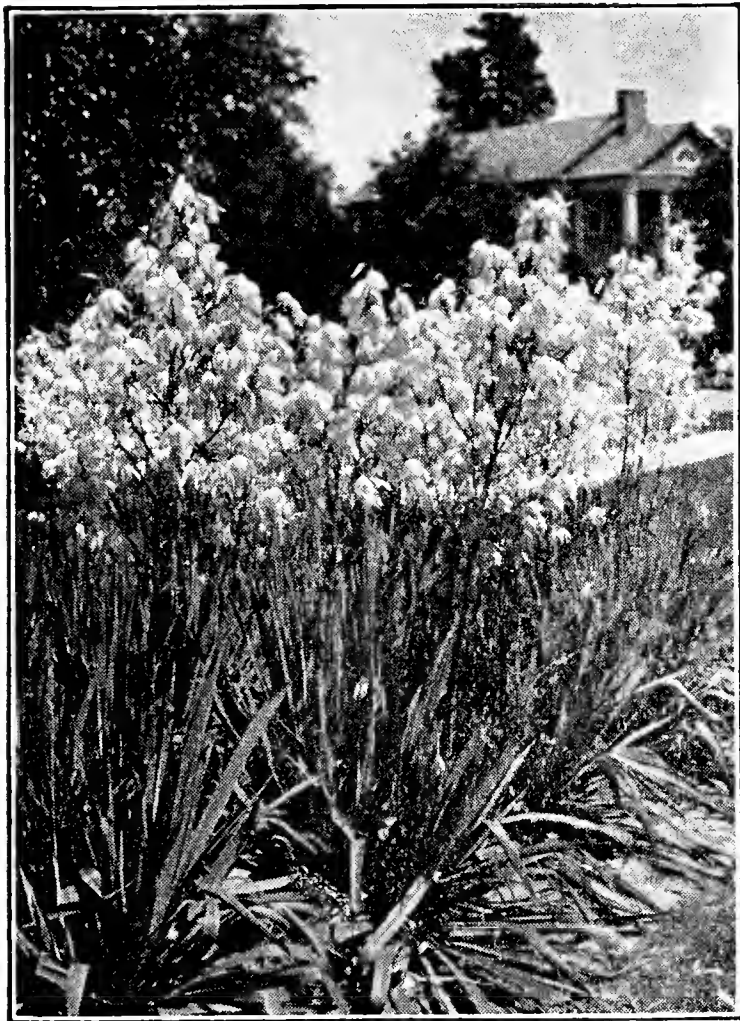
Sweet Shrub. See *Calycanthus*.

Symphoricarpus. Racemosus. Snowberry.
Pink flowers with white berries in the Fall. Plants, 18 to 24 inches..... .25
2 to 3 feet..... .35

Symphoricarpus Vulgaris. Known as the Coral Berry. Has purple berries.
Plants, 18 to 24 inches..... .25
Plants, 2 to 3 feet..... .35

DECIDUOUS FLOWERING SHRUBS (Continued)

Syringa. See Philadelphus.



YUCCA FILAMENTOSA

Adam's Needle

Yucca Filamentosa. Adam's Needle. Stems of white bell-shaped flowers, 4 to 6 ft. high. Very hardy and beautiful. Extra strong three-year-old plants, each..... .25
Dozen 2.50

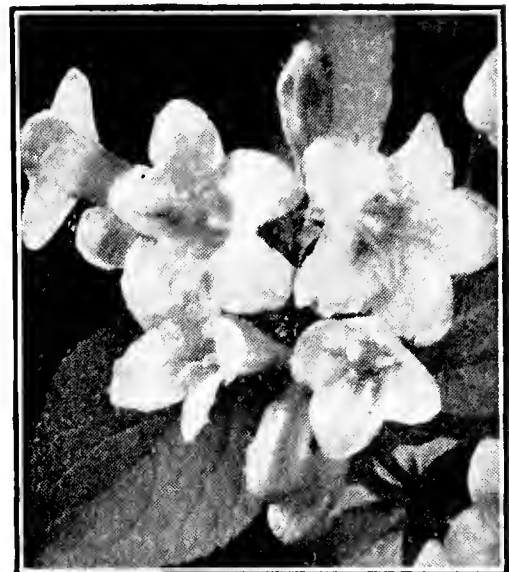
Tamarix Africana. Has fine feathery foliage. Delicate pink flowers. Specimen Plants..... .40

Virburnum Dentatum. Greenish white flowers, turning to dark blue berries in Fall. Leaves also turn purplish-red in Fall. Plants, 2 to 3 feet..... .50

Virburnum Opulus Sterile. Snowball. Very ornamental shrubs with white ball-shaped flowers. Plants, 2 to 3 feet, each..... .50

Virburnum Plicatum. Japanese Snowball. The white balls of flowers are often three inches across. Plants, 18 to 24 inches..... .50
Plants, 2 to 3 feet..... .70

Viburnum Tomentosum. The flowers are more flat than the Plicatum. Red fruits changing to black. Plants, 2 to 3 feet..... .50



WEIGELA ROSEA

Weigelia Amabilis. Vigorous growing shrub with light pink flowers. Each
Plants, 18 to 24 inches, each..... .25

Weigelia Eva Rathke. The finest of all the Weigelias. Rich red flowers. Beautiful shrub. Each
Plants, 18 to 24 inches..... .60

Weigelia Rosea. Same habits as the Eva Rathke, only rose colored flowers instead of Red. Plants, 2 to 3 feet..... .35
Specimen Plants65

Weigelia Pink. Same as above, except pink in color. Plants, 18 to 24 inches..... .35

Weigelia Variegata. Leaves are green and white variegated. Very ornamental and vigorous grower. Plants, 18 to 24 inches..... .30

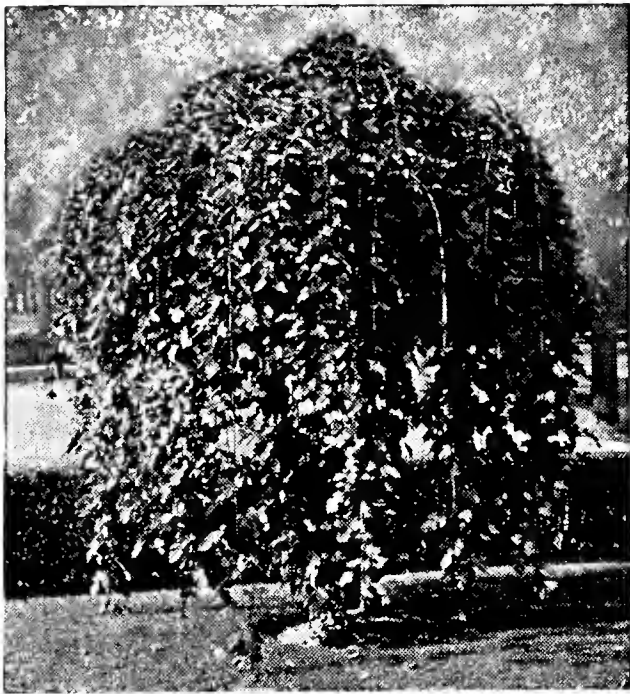
Witch Hazel. See Hamamelis.



SNOWBALL

(Viburnum)

ORNAMENTAL AND FLOWERING TREES



TEA'S WEEPING MULBERRY

Teas Weeping Mulberry. A very ornamental dwarf tree for lawns. Straight stems, good crowns. 5 to 6 foot trees.
\$1.25 to \$1.50 each



MALUS BECHTELLI

- Each
- Malus Bechtelli. Double Flowering crab. Flowers resemble a small pink rose on the stems. Plants, 2 to 3 feet.....

.60
- Malus Floribunda. Buds red, opening to light pink. Very fragrant. Plants, 2 to 3 feet.....

.90
- Malus Scheidekeri. Double flowering Crab. Large shrub or tree. In the Spring these shrubs are a mass of light rose color. Fragrant. Plants, 2 to 3 feet.....

.90

- Each
- Dogwood. Red flowering (Cornus Rubra). This beautiful tree deserves a special place in your garden. Its lovely red flowers make an attractive sight in May and June. 4 foot trees.....

3.00
- Hawthorne, Pauls Scarlet (Crategus). A very popular and one of the best Hawthornes, with its very double, glowing flowers of deep scarlet in the Spring. Trees, 5 foot.....

1.50
- Hydrangea Paniculata Grandiflora. Tree Form. Straight stems, good crowns. Very ornamental. Each

.75

Per Dozen

7.50
- Japanese Cherry Upright. Covered with deep pink flowers in May. 5 foot trees.....

2.00
- Japanese Weeping Cherry (12 foot). A Pink waterfall of blooms in early Spring. Graceful and decorative. Strong two-year-old Plants.....

3.00
- Magnolia Soulangeana (15 foot). One of the best of the hardy Magnolias, rose-pink flowers when in bud, pure white when opened. 4 to 5 foot trees.....

5.00
- Prunus Pissardi. Purple leaved plum. Beautiful maroon red foliage. Plants, 2 to 3 feet

.50
- Prunus Triloba. Double Flowering Plum. Flowers semi-double. Pink. Very attractive bush. Plants, 2 to 3 feet.....

.60
- Peach. Double red flowering. Blooms from May to June. Plants, 2 to 3 feet.....

.65
- Peach. Double white flowering. Blooms from May to June. Plants, 2 to 3 feet.....

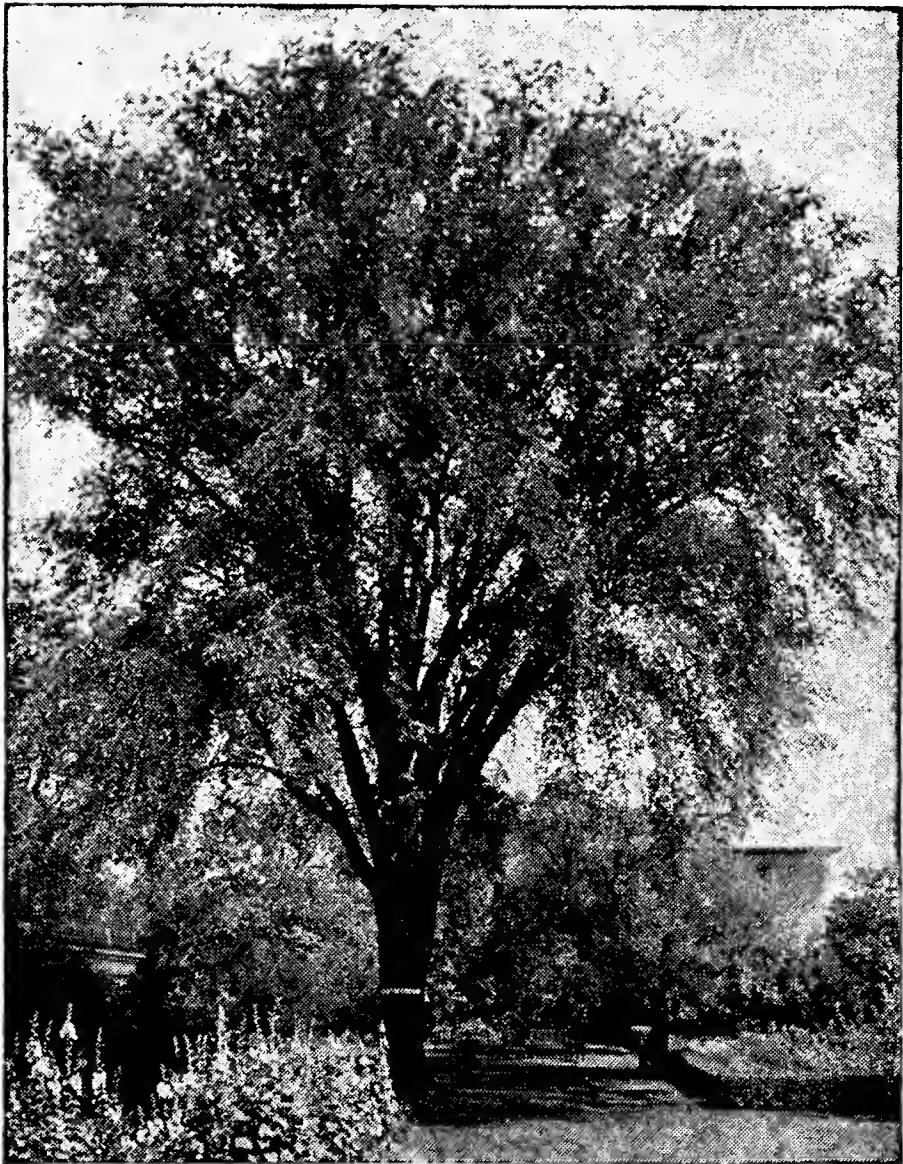
.65
- Catalpa Bungei. Hardy Umbrella Tree. 5 to 6 feet. Strong, straight stems, good crowns

\$0.75 and \$1.00 each

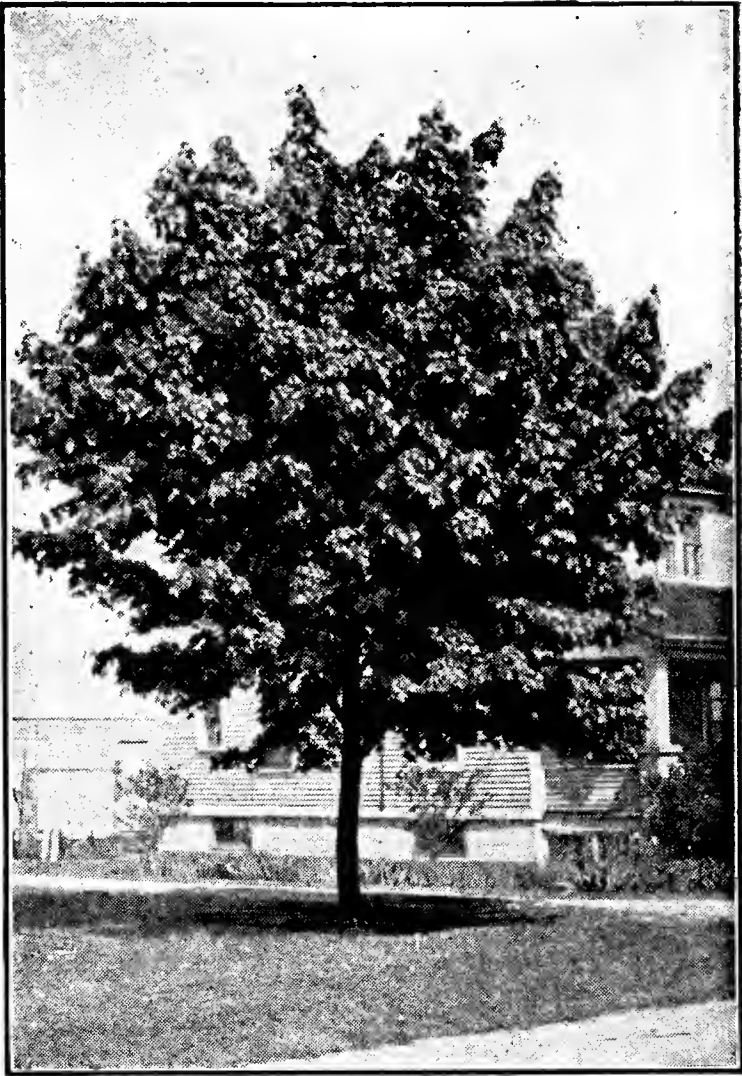


CATALPA BUNGEI

ORNAMENTAL AND SHADE TREES



AMERICAN ELM



NORWAY MAPLE

Each
American Elm. White, one of the quickest growing shade trees. Will stand sleet and ice without cracking the limbs. Comes into foliage about June 1st. 8 ft. trees, \$1.00 and 1.25

Elm, Siberian or Chinese (70 foot). A very rapid growing hard-wooded Elm. The foliage is dense and smaller than that of the American Elm. Tall, graceful, absolutely hardy and succeeding in wet or dry soil. 8 to 10 foot trees..... 2.00

Horse Chestnut (Aesculus), 60 foot. Covered with showy panicles of white flowers against the rich dark green leaves. Very attractive and symmetrical. 5 to 6 foot trees..... 2.50

Linden, American (Tilia Americana), 75 foot. One of the best quick growing native trees. Has fragrant yellow flowers. A good lawn specimen. 10 to 12 foot trees..... 3.00

Norway Maple (Acer Platanoides), 70 foot.

A handsome roundheaded tree, whose green leaves turn to a golden yellow in the late Autumn, contrasting well with the deep brown, almost black bark. Popular for street planting and tolerant to city conditions.

Each
8 to 10 foot trees..... 3.00
10 to 12 foot trees..... 4.50

Silver Maples. Quick growing shade trees. Thrive under most any conditions. Come into foliage about June 1st. 8 foot trees. 1.00

Plane, Oriental (70 foot). A very desirable and rapid growing tree for street planting, and able to withstand the smoke of the city. Also good for seashore planting. 8 to 10 foot trees..... 2.00

Lombardy Poplars. Tall spire-like character. Very attractive. 8 to 10 foot trees..... 1.00

Weeping Willow (Salix Bablonica), 50 foot. Very valuable for waterside planting. Bright green foliage, borne on slender, pendulous branches. 10 to 12 foot trees..... 3.00

VINES—Two-year-old Field Grown Plants

	Each		Each
Ampelopsis Veitchii. Boston Ivy, Self-clinging, small leaved. Turns red in Fall. Strong three-year-old plants, field grown .....	.35	Clematis Jackmani. Large purple flowers in profusion, splendid, field grown.....	.55
Aristolochia Siphon. Dutchman's Pipe. Rapid grower, bearing distinguished brownish-colored flowers, resembling a pipe in shape. Has light green foliage, which retains its color until late Fall.....	.55	Honeysuckle Vine. Hall's Japanese, yellow fragrant .....	.25
Bignonia Radicans. Trumpet Vine. Strong climber. Scarlet Trumpet Flowers.....	.25	Kudzu Vine. Very rapid growing vine, attaining a height of 50 feet in one season. \$3.00 dozen .....	.30
Boston Ivy. See Ampelopsis.		Maderia Vine Roots. Beautiful dark green glossy foliage with white fragrant flowers. Very pretty climbing vine. Large roots, \$1.00 per dozen; each.....	.10
Celastrus (Bittersweet Vine), 15 to 20 foot. A rapid growing, twining vine with bright orange and scarlet fruits. Splendid for Winter decoration. Two-year plants.....	.40	Matrimony Vine (Lycium Barbarum). 10 to 12 foot. Violet flowers in June followed by conspicuous red fruits. Good for banks. Plants, 2 to 3 foot.....	.35
Cinnamon Vine Roots. Very fragrant hardy climber, dark green glossy foliage with sweet scented white flowers. Foliage dies back to ground, but comes up again every season. Extra large Roots.....	.20	Silver Lace Vine (Polygonum Auberti). A splendid vine which produces great quantities of fleecy white flowers throughout the Summer months. Two year old Plants .....	.60
Per Dozen	2.00	Virginia Creeper. Ampelopsis Quinquefolia. Very rapid-growing self-clinging vine. Similar to Boston Ivy, but larger leaves. Strong plants .....	.25
Clematis Paniculata. Luxuriant grower, profuse bloomer, fragrant white flowers in August and September, field grown.....	.30	Dozen	2.50
		Wisteria Sinensis, Blue, extra strong, four-year-old plants .....	.35
		Wisteria Sinensis, White.....	.35
		Wisteria, Purple .....	.35

SMALL FRUITS

The Small Fruits we are offering are strong two-year-old plants that have been cut back and have made a good heavy root system. The Currants, Gooseberries and Raspberries if planted in early part of April will bear fruit this season. The Grape Vines will bear the following season.



PERFECTION RED CURRANTS

CURRANTS

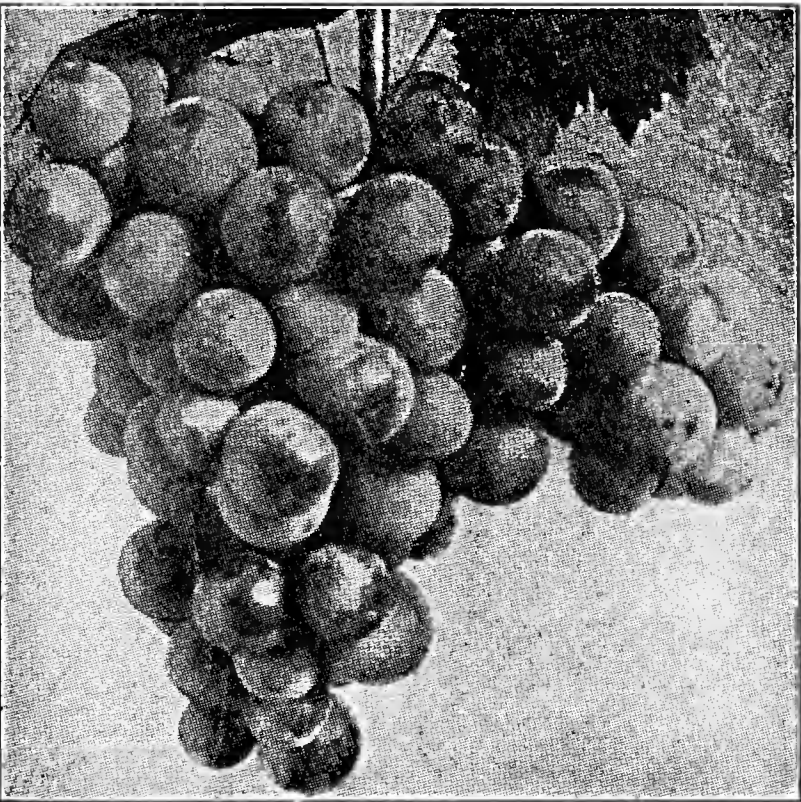
	Each
Fay's Prolific. Very large red Sweet Currant. Two-year-old, strong plants. \$2.00 dozen .....	.20
Perfection. Red Sweet Currant. Very large fruit. Two-year-old plants. \$2.00 dozen.....	.20
Red Cherry. Very good Red Currant for preserving, Two-year-old plants, \$2.00 doz. ....	.20
White Grape Currant. Good bearer. Yellowish white, sweet. Two-year-old plants. \$2.00 per dozen.....	.20

GOOSEBERRIES

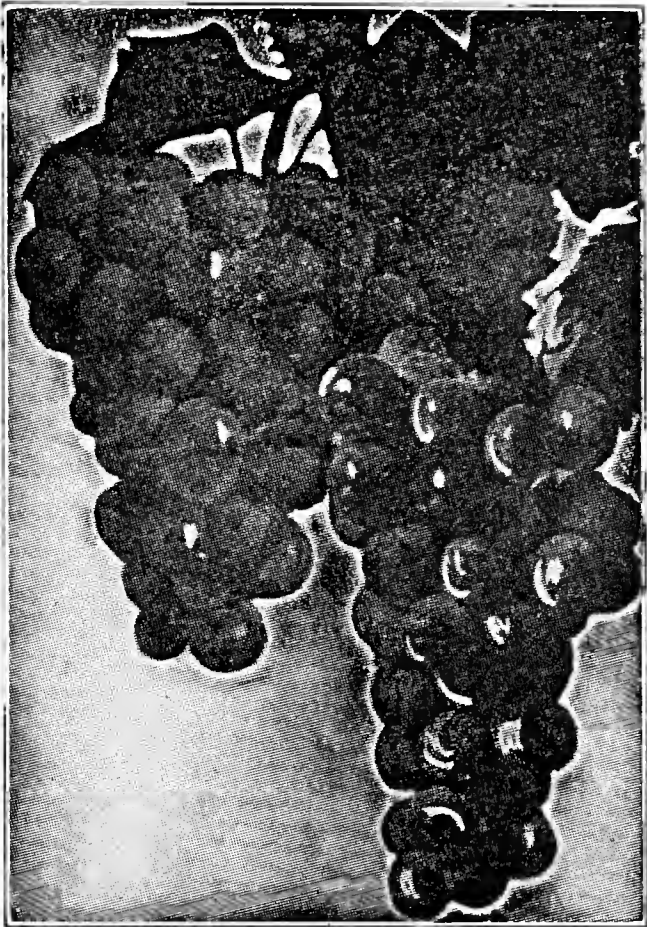
	Each
Downing. Large greenish white, soft and juicy. Two-year-old plants, \$1.80 per doz. ....	.18
Houghton. Pale red, medium size fruit. Two-year-old plant. \$1.80 per dozen.....	.18

GRAPES

Our Grape Vines are grown for us in the Northwest and are STRONG TWO-YEAR-OLD plants. They have been cut back to force the root system, as that is what counts in Grape Vines. We offer only standard varieties that will thrive in the Northern States and will bear profusely.



CATAWBA GRAPES



CONCORD GRAPES

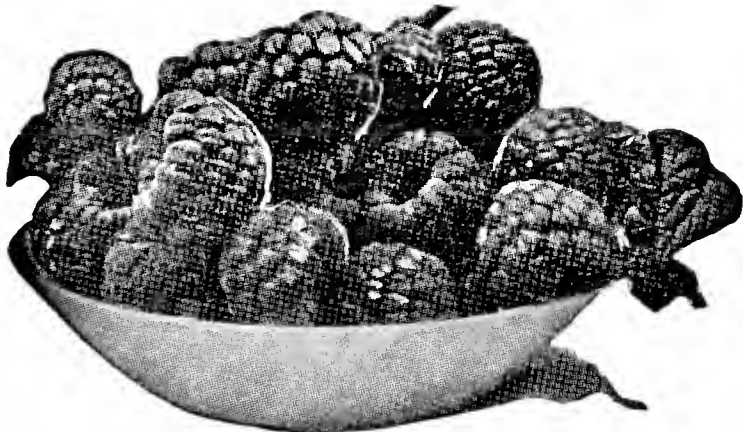
		Each			Each
Catawba. Sweet coppery red, good for wines or jelly. Two-year-old plants. \$2.00 doz., \$12.00 per 100.....		.20	Niagara. Light greenish white. Tender and sweet. Two-year-old plants. \$2.00 per dozen, \$12.00 per 100.....		.20
Concord Black. Best all around grape for general use. Good for Wine and table. Two-year-old plants. \$2.00 per dozen. \$12.00 per 100.....		.20	Worden. Large black. Good table grape and fine for jellies. Two-year-old plants. \$2.00 per dozen, \$12.00 per 100.....		.20

BLACKBERRIES

Snyder. Very hardy, productive and sweet, \$1.25 per dozen, \$6.00 per 100.....	.12
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RASPBERRIES

The Raspberry plants listed below are not one-year suckers, but strong plants with two or more canes to each plant.



ST. REGIS RASPBERRY (Everbearing)

		Each
St. Regis Everbearing. This red everbearing variety will bear fruit until late Fall. Most satisfactory of all the Raspberry family, \$1.25 per dozen, \$6.00 per 100.....		.12
Cuthbert. Large rich crimson. \$1.25 per dozen; \$6.00 per 100.....		.12
Black Raspberry. Known as BLACK CAPS. Large black juicy fruit. \$1.25 per dozen, \$6.00 per 100.....		.12
Herbert Red Raspberry. Not everbearing, but very profuse bearer. \$1.25 per dozen, \$6.00 per 100.....		.12
Golden Queen. Rich golden. Wonderful for preserving. \$1.25 per dozen; \$6.00 per 100 .....		.12

FRUIT TREES

The Fruit Trees listed below are strong two and three-year-old trees. They are not whips, as offered by many of the mail-order Nurserymen. They cannot be sent by mail. Be sure to send your Express Address when ordering any trees.

DWARF FRUIT TREES

These Dwarf Fruit Trees planted in early April will bear fruit next Summer.

Apple Baldwin. See description of standard variety.

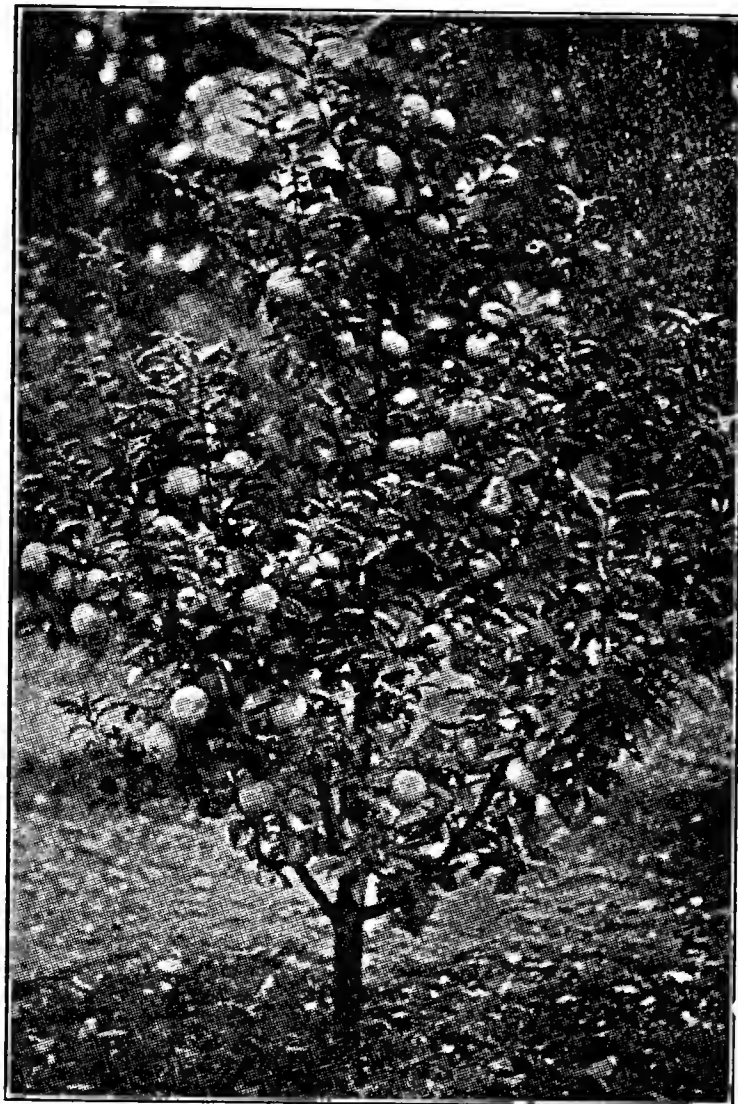
Apple McIntosh. See description of standard variety.

Apple Wealthy. See description of standard variety.

Pear, Bartlett. See description of standard variety.

Pear, Seckel. See description of standard variety.

Price 40c Each



DWARF APPLE

APPLES

Standard Size, 5 to 7 Feet. Price 40c Each

\$4.00 per Dozen

Strong Two-Year-Old Trees

Baldwin. Winter. Large, red, crisp. Good keepers.

Delicious. Winter. Large dark red, beautiful and delicious.

Duchess. Green with red blush. Mid-summer.

Early Harvest. Yellow. Summer.

Gano. Fall. Red. Good keeper.

Gravenstein. Autumn. Very large pale yellow with red streaks. Good keeper.

Liveland. Red. Summer.

McIntosh. Autumn. Large size deep red.

Northern Spy. Winter. Large handsome striped. One of the best.

R. I. Greening. Winter. Green with red blush.

Stark. Winter. Large greenish yellow, shaded dark red. Good keeper.

Wealthy. Autumn. Large brilliant red. Good keeper and beautiful fruit.

Yellow Transparent. Early summer.

CRAB APPLE

Transcendent. Early Autumn. Very popular, red and yellow.

Hyslop, Blush Red.

Price 40c Each

QUINCE — 65c Each

Strong two-year-old trees.

Champion. Large bright yellow fruit. Good keeper.

Orange Quince. Large size fruit. Excellent for preserving.

PEACHES

These strong trees planted in early April will bear fruit second season.

Strong Trees, Two Years Old

35c Each; \$3.50 per Dozen

Belle of Georgia. Freestone. Creamy white with red cheek.

Carmen. Freestone. Early and sure bearer.

Crawford Early. Freestone. Large Yellow. Juicy and sweet.

Crawford Late. Freestone. Same type as Crawford's early, but three weeks later.

Champion. Freestone. Large white flesh.

Elberta. Freestone. Large yellow with red cheek. Without doubt a grand peach.

Hiley. White freestone. Early midseason.

J. H. Hale. Freestone. Medium flesh white.

Rochester. Freestone. Extra large, early variety with yellow fruit.

PEARS

Strong Two and Three-Year-Old Trees,
5 to 7 Feet High

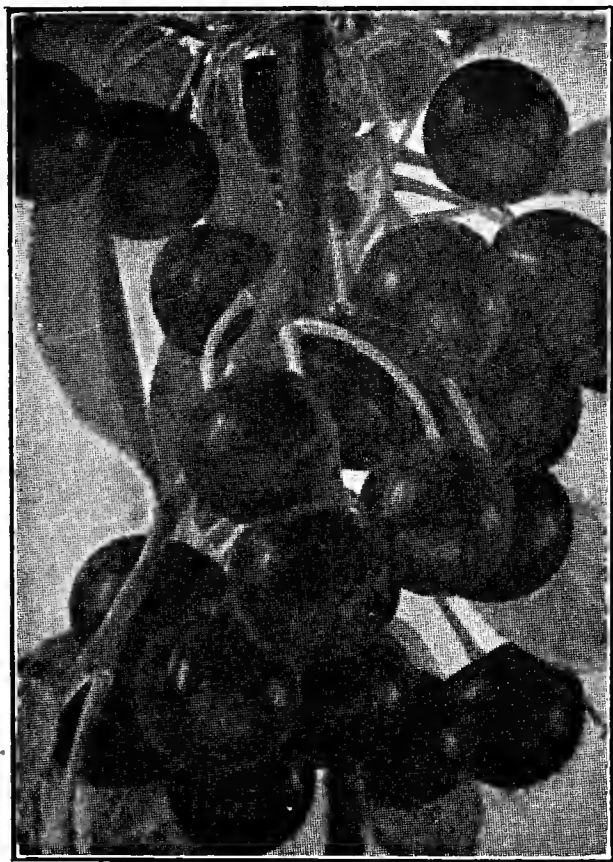
Bartlett. Summer variety. Large shapely fruit. Delicious flavor.

Clapp's Favorite. Summer. Large pale yellow.

Kieffer, Autumn. Large golden yellow. Flesh slightly coarse.

Seckel. Autumn. Small yellowish, sweet russet. Very hardy.

PRICE 50c EACH



CHERRIES

Strong Three-year-old Trees, 5 to 7 Feet High

Black Tartarian Oxheart. Very large purplish black. Mild and pleasant.

Early Richmond. Sour. Dark red. Valuable for preserving. Medium size fruit.

Gov. Wood. Oxheart. Very large, rich light yellow. Sweet and juicy.

Lambert. Sweet.

Montmorency. Sour. Very large red. Largely grown for market. Very productive.

Schmidt's Bigarreau. Oxheart. One of the largest, deep mahogany, dark flesh. Sweet and juicy.

Price 65c Each

CHERRY

GAGES AND PLUMS

Our Plum Trees are grafted on Plum. No need to worry about the peach borer, which you would have to do when you buy Plums grafted on the Peach.

Strong Two and Three-Year-Old Trees, 5 to 7 Feet High

Abundance Plum. Very large, oblong, amber-colored fruit. Very sweet.

Burbank Plum. Deeper colored fruit than the Abundance. Similar in flavor.

Bradshaw. Purple. Early sort.

German Prune. Very hardy. Large dark blue fruit, juicy and sweet.

Green Gage. Small, but of excellent flavor. Skin greenish yellow.

Price 50c Each

VEGETABLE ROOTS

Rhubarb Roots. Strawberry variety. Do not start your Rhubarb Bed with old chopped-up roots. Plant roots that have been cultivated from seed. Two-year-old roots: 10c Each; \$1.00 per Dozen; \$8.00 per 100.

ASPARAGUS ROOTS

Palmeto. Two-year-old roots. \$1.75 per 100; \$15.00 per 1,000.

MAC NIFF'S SUPER QUALITY ROSES!

Below you will find listed a fine selection of Rose Bushes, of the Hybrid Tea Everblooming Varieties, Hybrid Perpetual June blooming, Tree Roses, also Rugosa, Rock and Polyantha types.

We say a fine selection for we have carefully selected the varieties listed, from the many varieties offered, for their hardiness of growth, profusion of blooms and beautiful colors.

Our Roses are all strictly two year old, field grown Plants, grown in a Northern climate to assure you of receiving hardy stock. The root of each plant is carefully wrapped in moss and burlap to keep it from drying. Also about six inches of the top of the plant is paraffined to protect same from drying. When you set the Plant in the ground cut the paraffined stock, in fact, cut back the plant to about six to eight inches from the ground to secure best results.

Send for free printed instructions on how to plant and care for Roses.

HYBRID TEA, EVERBLOOMING VARIETIES WILL BLOOM CONTINUOUSLY ALL SUMMER

EXTRA HEAVY GRADE

45c ea., \$4.50 Dozen

Killarney Pink. Long pointed buds. Flesh color, suffused pink, very fragrant.
Killarney Double White.

Lady Hillingdon. Clear apricot yellow; autumn blooming habit.

LaFrance. Bright to silvery pink, unique fragrance; a lovely rose.

Los Angeles. Luminous flame pink, shaded coral and yellow; a wonderful rose.

Miss Lolita Armour. Chrome yellow orange and copper; free bloomer.

Mme. Caroline Testout. Satiny rose; a lovely rose; strong, vigorous bush; unsurpassed in merit in its color; dependable. A rose every one should plant.

Mme. Edouard Herriot. Coral-red buds, flower shaded yellow to scarlet. Won the Daily Mail \$10,000 prize.

Mme. Butterfly. Brilliant pink suffused apricot and gold sport of Ophelia.

Ophelia. Salmon-flesh shaded rose; excellent, garden variety.

Premier. Rich dark pink; fine form, fragrant, thornless stems, vigorous, robust plant; a beautiful rose.

Pink Radiance. One of the best for northern locations. Very vigorous, blooms all Summer and Fall. Deep pink.

Red Radiance. Rich deep red; better than its splendid parent, Radiance.

Souv. De Claudius Pernet. The best yellow rose ever produced. Beautiful sunflower yellow.

Mrs. Erskine Pembroke Thom. Well shaped blossoms of Canary Yellow. Blooms very freely.

Mrs. Henry Bowles. Fragrant flowers of clear pink, free bloomer.

Mrs. H. Morse. Two contrasting shades of pink with an underlying yellow tint. Fragrant, very free blooming.

Rev. F. Page Roberts. Double blooms of copper red opening to golden yellow. Very large and fragrant.

Talisman. Brilliant red and gold buds opening to well shaped blooms of scarlet-orange and rich yellow. Really a gorgeous rose.

Wilhelm Kordes. Long pointed double buds, flowers of deep golden salmon overspread with a tint of copper. Very fragrant and free bloomer.

SPECIAL OFFER

HYBRID TEA, EVERBLOOMING ROSES

MEDIUM GRADE, VARIETIES LISTED BELOW

30c ea., \$3.00 Dozen

Duchess of Wellington

Etoile De Hollande

Feu Jos. Looymans.

Gen. McArthur.

Independence Day.

K. A. Victoria.

Mme. Ed. Herriot.

Mrs. Chas. Bell, Pink.

Ville De Paris, Yellow.

Red Radiance.

Rev. F. Page Roberts.

Pres. Hoover. A very unusual combination of cerise-pink, scarlet and yellow. Long fragrant flowers on good stems.

RUGOSA MOSS AND POLYANTHA ROSES

Description of above varieties listed on previous page.

Rugosa or Rock Rose. This type of Rose was introduced from China and Japan. They do well when planted singly to grow in bush form, attaining a height of 5 to 6 feet. We offer these in three colors (WHITE, PINK and RED), 40c each, \$4.00 per dozen, \$30.00 per hundred.

DWARF POLYANTHA ROSES

Polyantha Baby Type. These dwarf bush roses are very hardy and bloom continuously all

Summer. Wonderful for hedges, in beds or separate. We offer four colors (RED, PINK, WHITE and SALMON), 40c each, \$4.00 per dozen, \$30.00 per 100.

Moss Rose Pink. Beautiful Moss Buds. Grand-mother's old favorites. Price 40c each; \$4.00 per dozen.

Moss Rose White. Same as above. Price, 40c each; \$4.00 per dozen.

Moss Rose Red. Same as above. Price 40c each; \$4.00 per dozen.

STANDARD CLIMBING TREE ROSES

Red, Pink, White and Yellow. Price \$2.25 each; \$25.00 per dozen.

TREE ROSES, EVERBLOOMING VARIETIES

Red, Pink, White and Yellow. Price, \$2.50 each; \$27.00 per dozen.

HARDY HYBRID PERPETUAL ROSES

Price 35c Each

These roses are what are known as June Roses and are extremely hardy. Some of the varieties listed below will give a second crop of blooms during the Fall season—varieties such as Mrs. John Laing, Hugh Dickson and Gen. Jacqueminot.

Frau Karl Druschki. Snow white, immense size; in every respect the best white.

General Jacqueminot. Brilliant scarlet crimson; fragrant, splendid. Known as the Jack Rose.

Hugh Dickson. Intense crimson shaded scarlet. Large blossoms and very fragrant.

Magna Charta. Bright pink, suffused with carmine. Vigorous grower.

Mrs. John Laing. Soft, clear, pink; immense blooms, fragrant.

Persian Yellow. Very strong grower.

Paul Neyron. Thornless large pink rose.

Prince Camille De Rohan. Deep velvet maroon.



American Beauty. The well known carmine pink.

Betty Upchurch. Copper-red buds, opening to brilliant orange-car-mine on outer surface of petals. Fragrant.

Columbia. Free bloomer, big flowers, true pink, fragrant.

Crusader. New, robust grower, free flowering rich velvety crimson.

Dame Edith Helen. Sweetly scented substantial buds of vivid pink, borne on long, strong stems. Duchess of Wellington. Saffron yellow, fragrant flowers all the season.

Etoile de France. Red and velvety crimson; the most dependable of its color.

Francis Scott Key. Rich crimson red, immense size; good bloomer Spring and Fall.

General McArthur. Velvety, scarlet, large blooms, free flowering.

Gruss an Tepitz. Crimson scarlet; dependable; June till frost.

Hadley. Beautiful rich crimson, fragrant, hardy; garden or greenhouse.

Jonkheer J. L. Mock. Petals cherry red outside, silver pink within; a splendid rose.

Kaiserin Augusta Victoria. A standard sort, large creamy white blossoms.

NEW VARIETIES OF EVERBLOOMING HYBRID TEA ROSES

EXTRA HEAVY GRADE

60c each, \$6.00 per dozen

E. G. Hill. A beautiful new red rose, in form and color. Perfectly formed buds, full double scarlet flowers when open. Vigorous and free flowering.

Etoile de Hollande. A dark red and very fragrant rose. Free bloomer, large size.

Feu Joseph Looymans. Long pointed buds of orange-blush with full flowers of vivid yellow and apricot. Sweet scented.

Joanna Hill. Long, full yellow flowers. Tall grower, long blooms on strong stems.

Lady Margaret Stewart. Golden yellow shaded and streaked with orange and red, lovely foliage.

Lord Charlemont. Deep crimson, very fragrant, well formed blooms.

Mevrouw G. A. Rossem. Buds dark orange with background of golden yellow, reverse petals deep bronze.

CLIMBING ROSES

BLAZE
NEW EVERBLOOMING SCARLET
CLIMBER

The Blaze is unquestionably the most sensational achievement in Rose culture in many years. It is the very first hardy everblooming scarlet climber and is a beauty in color, shape and profusion of blooms.

Price \$2.00 each, \$20.00 per dozen.

NEW DAWN

THE EVERBLOOMING DR. VAN FLEET

This new rose is a sport from Dr. Van Fleet, and is identical in every way with its parent in size and formation of its long pointed flesh pink buds and double flowers, but blooms continuously throughout the Summer and Fall months.

Price \$1.50 each.

GOLDEN CLIMBER (Mrs. Arthur Curtiss James). A beautiful golden-yellow, ever-blooming climbing Rose. Blooms are of the hybrid tea type, borne on long stems. Bronze green foliage, vigorous grower.

\$2.00 each, \$20.00 per dozen.

American Beauty Climbing. Rich carmine, fragrant; early abundant bloomer.

Dr. Van Fleet. Clear pink buds, glossy foliage; a superb rose.

Dorothy Perkins Pink. Beautiful pink flowers in great clusters.

Emily Gray. Best yellow.

Excelsa. An improved Crimson Rambler; immense clusters; very desirable.

Gardenia. Pleasing yellow, turning to white on opening.

Kaiserin Augusta Victoria. Beautiful white. Everblooming.

Paul's Scarlet. Semi-double shining scarlet; a very desirable rose.

Silver Moon. Faint yellow, changing to pure white. An extraordinary rose.

Strong, two-year-old plants of above varieties

35c Each, \$3.50 per Dozen

Eugene Jacquet. Scented flowers of bright carmine, in large clusters. Good foliage, hardy grower.

Jacotte. Large semi-double flowers of orange-yellow, tinted copper. Strong grower, free bloomer.

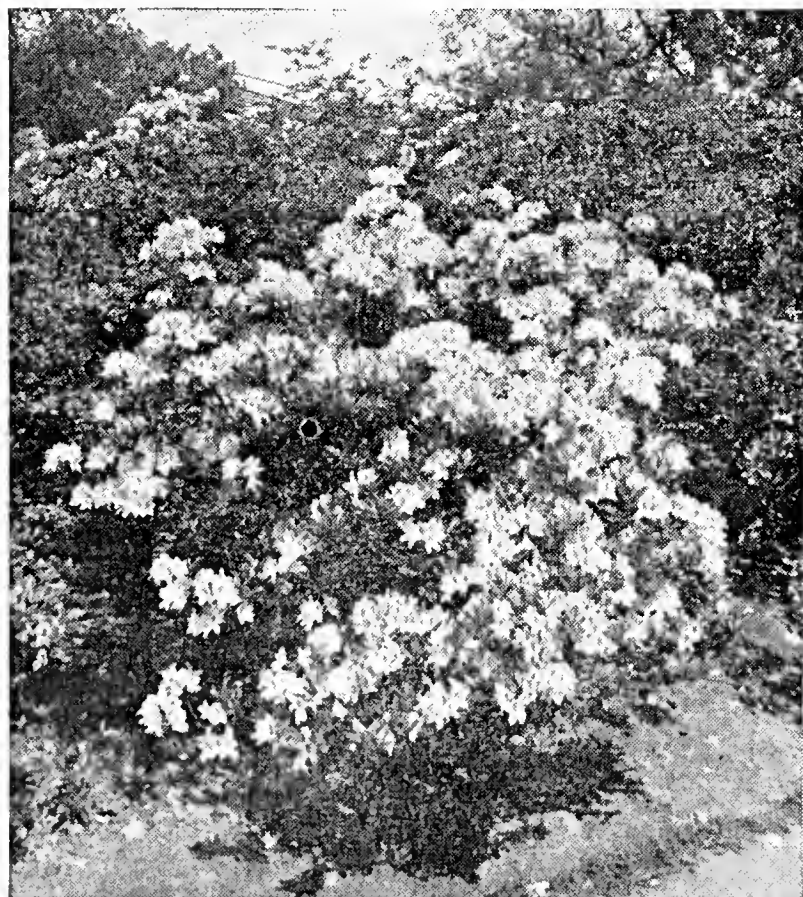
Mme. Gregoire Staechelin. (Spanish Beauty). Large flowers of delicate pink, with big frilled petals stained crimson outside, borne on strong stems. Abundant bloomer slightly fragrant.

Strong two-year-old plants of above 3 varieties

45c Ea., \$4.50 per Dozen

RHODODENDRONS AND JAPANESE AZALEAS

"Azaleas for May, Kalmia for June, Rhododendrons for July"



JAPANESE AZALEA

Azalea Japanese Hinodigiri. Beautiful bright scarlet flowers. Grows 3 to 4 feet high.

Plants, 10 to 12 in., \$1.25 Each;

Plants, 12 to 15 in., \$1.75 Each.

Azalea Japanese Amoena. Low growing evergreen shrub, producing bright, rosy purple flowers in May.

Plants, 8 to 10 in., \$0.79 Each;

Plants, 10 to 12 in., \$0.98 Each.

Azalea Mollis. This showy plant produces large, brilliant flowers in attractive shades of Orange and Yellow, in May and June. Grows 4 to 6 feet.

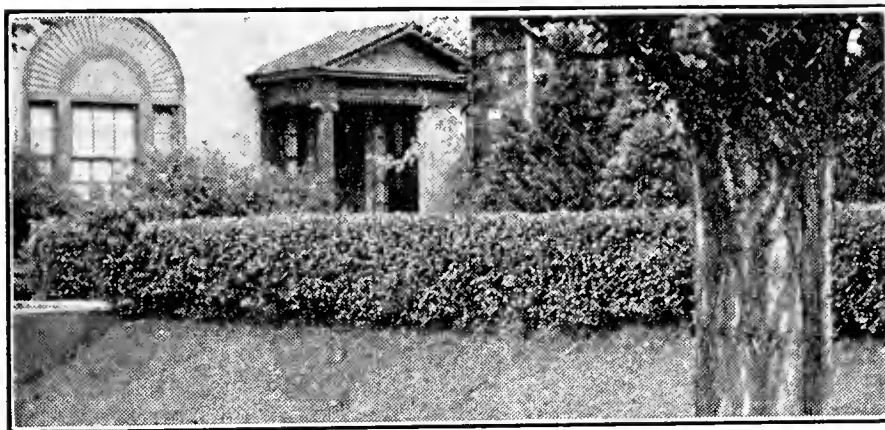
Plants, 12 to 15 in., \$2.00 Each.

RHODODENDRONS

We have in our salesrooms during the Spring Season the native hardy varieties which are used for foliage effect which we retail at \$1.50 to \$3.00, according to size of plants from 2 to 4 foot high.

Hybrid sorts, red, pink, rose, purple and white 12 to 18 inches high at \$2.00 each and up.

HEDGE PLANTS



CALIFORNIA PRIVET HEDGE

California Privet or Lignstrum Ovalifolium

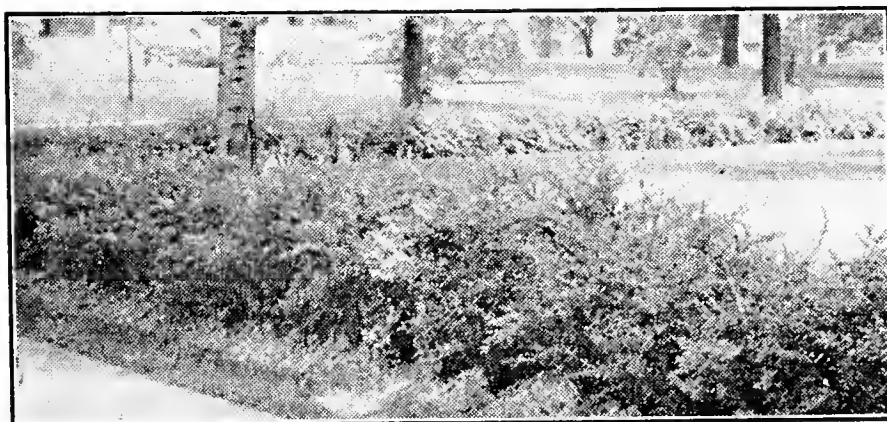
The Privet plants we are offering are not one year cuttings but plants that have been grown with good long root system. The tops have been cut back causing them to branch out near the roots which makes the best stock to use for Hedge purposes.

Two-year-old, light grade, 12 to 18 inches high.....\$2.00 per 100; \$18.00 per 1,000

Two-year-old, heavy grade, well branched, 18 to 24 inches high,
\$3.00 per 100; \$25.00 per 1,000

Three-year-old, 2 to 3 foot plants. Used for screen work..\$4.00 per 100; \$35.00 per 1,000

500 Plants at the 1,000 rate



HARDY JAPANESE BARBERRY HEDGE

Berberis Thunbergii. For northern sections where there is a possibility of the California Privet Hedge freezing out, we would advise making hedge of the Japanese Barberry. Without doubt the hardiest hedge grown. This beautiful bush also is considered by many superior to Privet for a hedge on account of its thorns, which help to keep out animals. The pretty foliage turns red in Autumn and this, with its abundant red berries, makes it very attractive. As a specimen shrub it is excellent, and grown in a mass is remarkably effective. Prices as follows: 2-year-old plants, 12 to 18 inches high, price \$3.00 per 100, 50 at 4 cents each, 25 plants at 5 cents each. 3-year-old plants, 12 to 18 inches high, price \$6.00 per 100, 50 at 8 cents each, 25 at 9 cents each. Plants 18 to 24 inches high used for single or bush effect well branched, heavy set plants \$9.00 per 100, 50 at 10 cents each, 25 at 11 cents each.

Barberry, Red Leaf. A very striking shrub with its fiery red foliage throughout the entire Summer and Fall. Plants 18 inches, 25c each, \$20.00 per 100.

EVERGREENS

We carry a complete list of varieties and sizes of beautiful Evergreens during the Spring Season, that are suitable for foundation plantings, hedges and as lawn specimens. Below we list a few of the popular varieties. If you do not see the variety listed below that you are interested in, write us, and we shall be pleased to quote on same:

ARBORVITAE. (*Thuja Occidentalis*). Bright green leaves, yellowish on under side. Very popular Evergreen, can be kept compact by trimming.

	Each
18 to 24 inches.....	\$0.50
2 to 2½ feet.....	.75
3 to 4 feet.....	1.50
4 to 5 feet.....	2.50

GLOBE ARBORVITAE. (*Thuja Globosa*). Round compact form of Arborvitae, dense foliage.

	Each
9 to 12 inches.....	\$0.60
12 to 15 inches.....	.85
15 to 18 inches.....	1.00

GOLDEN ARBORVITAE. (*Thuja Elegantissima*). Tips of the young shoots golden yellow during Summer and Autumn.

	Each
18 to 24 inches.....	\$1.00
2 to 3 feet.....	1.25

BIOTA AUREA NANA. (*Golden Biota*). Stiff compact, roundish shape with golden yellow foliage.

	Each
15 inches	\$1.25
18 inches	2.00

BOXWOODS. (*Boxus Sempervirens*). Beautiful bush form Evergreen, useful for formal hedges.

	Each
12 to 15 inches.....	\$0.65

CYPRESS. (*Retinospora*) **PLUMOSA**, forms a dense cone of fine texture. Useful for shearing into formal shapes.

	Each
15 to 18 inches.....	\$0.60
18 to 24 inches.....	.80
2 to 2½ feet.....	1.15

CYPRESS PLUMOSA AUREA. Same variety as above, but with a golden edge. Very showy.

	Each
12 to 15 inches.....	\$0.60
15 to 18 inches.....	.80
18 to 24 inches.....	1.15

DAPHNE CNEORUM. (*Garland Flower*). Green foliage, low spreading. Pretty pink flowers in April and May. Delightful fragrance. Suitable for rock gardens.

	Each
9 to 12 inches.....	\$0.90
12 to 15 inches.....	1.25
15 to 18 inches.....	1.75

HEMLOCK. (*Tsuga Canadensis*). Leaves about half an inch long, dull green and slightly grooved above, striped beneath. Branches slender and softly pendulous.

	Each
18 to 24 inches.....	\$1.25

JUNIPER PFITZERIANA. A very hardy, valuable low growing spreading variety with silvery green color. This is a valuable plant for rough, exposed situations because of its extreme hardiness.

	Each
15 to 18 inches.....	\$1.50
18 to 24 inches.....	2.00

JUNIPER HIBERNICA. (*Irish Juniper*). Distinct and beautiful, of erect, dense, conical outline. Deep green.

	Each
18 to 24 inches.....	\$0.70
2 to 3 feet.....	1.50

JUNIPER EXCELSA STRICTA. Very symmetrical, conical outline foliage arranged around the branches in threes, dense and prickly.

	Each
12 to 15 inches.....	\$0.90
15 to 18 inches.....	1.25

MUGHO PINE. Thick green foliage, very compact, with the tips of the branches ascending. Desirable for Rock Gardens.

	Each
9 to 12 inches.....	\$0.75
12 to 15 inches.....	1.00
15 to 18 inches.....	1.50

PICEA EXCELSA. (*Norway Spruce*). Very hardy dark green spruce, adaptable to hedge or other purposes.

	Each
12 to 15 inches.....	\$0.50
15 to 18 inches.....	.75
18 to 24 inches.....	1.00

KOSTER BLUE SPRUCE. The bluest of Blue spruces. It is symmetrical and shapely and has a vivid blue coloring.

	Each
15 to 18 inches.....	\$4.50
18 to 24 inches.....	7.00

COLORADO BLUE SPRUCE. A stately evergreen with a blue-green foliage.

	Each
12 to 15 inches.....	\$1.50

FANCY LEAVED CALADIUMS



The foliage of the Fancy Leaved Caladiums are most gorgeous in their striking colors. Beautiful for window boxes or in beds outdoors when planted in a partly shaded situation.

We offer the following collection of selected varieties for your approval:

Avelin Rose. Beautiful transparent rose color with ribs a shade darker. They are bordered with a narrow line of grass green. Height 15 inches.

Hortulania. The entire leaf is of a gorgeous crimson-red color with bluish tint, bordered with a narrow green line. Height 1 foot.

Miss Louisiana. The transparent rose center fades into a lighter shade towards the edge. Heavy scarlet ribs and narrow dark green border. Height 18 inches.

Pink Beauty. Long spear shaped leaves when fully developed are a lovely transparent salmon-pink with a narrow green border. Interspaces mottled moss green. Height 1 foot.

Poecil Anglais. A distinct beauty with attractive waved leaves. The center is a transparent deep crimson with bluish tinge bordered metal green. Very desirable for open ground planting. Height 1 foot.

Scarlet Pimpernelle. The center is a showy bright red with scarlet ribs and the border is creamy yellow. Good open ground variety. Height 18 inches.

Mrs. W. B. Haldeman. Long pointed leaves of an attractive bright red color, with narrow green border. The inter-spaces are splashed and mottled white. Superb open ground variety. Height 18 inches.

Mrs. Sanders. Extra large round leaved variety heavily blotched transparent deep rose on dark green background. Good open ground variety. Height 2 feet.

Large size Bulbs of above varieties 25c ea. \$2.50 doz.

CALADIUM ELEPHANT EARS

Caladium Esculentum. The large decorative green leaves are useful in the center of a bed or when grown separately. The leaves often measure three to four feet long and are very attractive.

Large size bulbs, 15c each; \$1.50 per dozen. Extra large bulbs, 20c each; \$2.00 per dozen.

TUBEROUS ROOTED BEGONIAS

The Tuberous Rooted Begonias are excellent when used in beds in the lawn or in borders.

Single or double flowering, in colors of, Scarlet, Rose, White, Yellow and Salmon.

Large size Bulbs, 20c each; \$2.00 per Dozen.

GLOXINIAS

Easily grown, very showy Plants, that last in bloom a long time.

Colors, Purple, Purple bordered, Scarlet, Scarlet bordered and White.

Large size Bulbs, 30c each; \$3.00 per dozen.

AMARYLLIS GIANT FLOWERING HYBRID

Ranging in color from pure white to pink and deep scarlet. Some with beautiful markings and mottled throats. Large Bulbs, 50c each; \$5.00 per dozen.

AMARYLLIS

These beautiful AMARYLLIS JOHNSONII may be grown in the open ground or planted in pots indoors. The Amaryllis Johnsonii is the red flowering variety with white stripes through center.

Each, 40c.

Per Dozen, \$4.00

SUMMER FLOWERING BULBS

CANNA ROOTS STRONG TUBERS

CANNA, HUNGARIA. Large flowers of deep pink, borne on enormous trusses. Grows 3½ feet high.

CANNA, KING HUMBERT, RED. Beautiful red flowering, with bronze foliage, grows 3½ to 4 feet.

CANNA, KING HUMBERT, YELLOW. Dark green foliage with rich yellow flowers. Grows 3½ to 4 feet.

CANNA, THE PRESIDENT. Dark green foliage. Rich red large clusters of blossoms that make this variety one of the very best. Grows 4 to 4½ feet high.

CANNA ORANGE BEDDER. A bright orange with just enough scarlet suffusion to intensify the dazzling mass of color. Four feet.

CANNA, RICHARD WALLACE. Green foliage, yellow blossoms. Grows 3½ to 4 feet high.

Strong divisions of above varieties

8c ea. 75c doz. \$5.00 per 100

CANNA ROOTS. Assorted colors.

6c ea. 60c doz. \$4.00 per 100



PAEONIES

Paeonies should be planted so that the top eye will set two inches below the top of the ground. If planted too deep they will not bloom.

Do not use manure in the soil, as it has a tendency to create disease in the roots. The best fertilizer is our **ROSE GROWER BONE MEAL**. Mix two table-spoonsful in the soil around the roots.

Unnamed varieties of Paeonies, in colors of Red, Pink and White. Strong clumps, 20c each, \$2.00 per dozen.

Couronne D'Or. A beautiful pure white, yellow stamens around tuft of center, petals tipped carmine.

Edulis Superba. A large loose crown of bright pink, early flowering.

Festiva Maxima. A pure white, crimson flecked center.

Francois Ortegat. A beautiful double crimson.

Golden Harvest. A combination of peach, yellow and white. Midseason.

Mad. Forel. A striking deep pink blossom.

Strong 5 to 7 eye clumps of above Varieties—30c ea., \$3.00 dozen.

TUBEROSE

The TUBEROSE is the most fragrant Summer flowering bulb grown. Beautiful spikes of white flowers. The fragrance of a few bulbs planted in the garden is noticeable from any part of the garden. Bulbs must be lifted during the Fall season and treated same as Gladiolus bulbs.

EXCELSIOR PEARL—Medium Size Bulbs, 5c each; 45c dozen; \$1.50 per 100.

Mother Size Bulbs, 10c each; 85c per dozen; \$4.00 per 100.

HARDY PERENNIAL PLANTS

Variety	Blooming Period	Color	Height	Price	
				Ea.	Doz.
Asters	Sept.	Assorted	3 to 5 ft.	\$0.20	\$2.00
Anchusa Atalica	June to Sept.	Blue	4 to 5 ft.	.20	2.00
Artmesia Silver King.....	June & July	White Leaves	3 ft.	.20	2.00
Aquelegia	May to June	Assorted	2 to 3 ft.	.20	2.00
Bleeding Hearts	April-June	Rosy Red	1½ ft.	.40	4.00
Canterbury Bells	June-July	Assorted	2 ft.	.20	2.00
Chrysanthemum Pom Poms.....	Sept.	Assorted	1½ to 2 ft.	.20	2.00
Chrysanthemum Large Fl.....	Sept.-Oct.	Assorted	2 ft.	.20	2.00
Coreopsis	June to Nov.	Yellow	2 ft.	.20	2.00
Delphinium Bella Donna.....	All Summer	Lt. Blue	3 ft.	.20	2.00
Delphinium Bellamosa	All Summer	Dk. Blue	2 to 3 ft.	.20	2.00
Dianthus (Carnations)	May-June	Assorted	2 ft.	.20	2.00
Digitalis (Foxglove)	July & Aug.	Assorted	3 to 5 ft.	.20	2.00
Eupatorium	Aug.-Oct.	Blue	2 ft.	.20	2.00
Funkia Gdfl. White Day Lily.....	July-Aug.	White	1½ ft.	.20	2.00
Gaillardia	June to Nov.	Orange	1½ ft.	.20	2.00
Gypsophilla (Baby's Breath).....	All Summer	White	2 to 3 ft.	.20	2.00
Hemerocallis (Day Lily).....	May-July	Yellow	5 to 6 ft.	.20	2.00
Hollyhocks	Aug.-Sept.	Assorted	5 to 6 ft.	.20	2.00
Iberis (Candytuft)	April	White	1 ft.	.20	2.00
Iris, German	May-June	Assorted	3 to 4 ft.	.20	2.00
Iris, Japanese	June-July	Assorted	1½ ft.	.20	2.00
Liatris	July-Sept.	Purple	4 ft.	.20	2.00
Phlox	July-Sept.	Assorted	2 to 3 ft.	.20	2.00
Mallows	Summer	Assorted	4 to 5 ft.	.25	2.50
Poppies Orientale	May-June	Assorted	2½ ft.	.25	2.50
Physostegia	Summer	Pink	3 ft.	.25	2.50
Pyrethrum (Painted Daisy).....	Summer	Assorted	2½ ft.	.20	2.00
Tritomas	July-Sept.	Or.-Scarlet	2 ft.	.25	2.50
Veronica	June & July	Blue	2 to 2½ ft.	.25	2.50
Shasta Daisy	Mid-Summer	White	2 ft.	.20	2.00

SPECIAL, GOLD MEDAL HYBRID DELPHINIUM

Large, robust plants, growing 5 to 7 feet tall, bearing flower spikes 2 to 3 feet long, in shades of heavenly blue, purple, lavender, etc.

Two year, field grown, clumps assorted only.....35c each \$3.50 per dozen

PACHYSANDRA (Japanese Spurge). Most popular of all ground covers, especially for shady places. Has bright glossy evergreen foliage and branches freely into a dense mat. White flowers in late Spring and early Summer. 20c each, \$2.00 dozen.

ROCK GARDEN PLANTS

Although we do not have room in this Catalog to list all varieties, we have a complete assortment of Rock Garden Plants in stock during the Season.

Below you will find listed some of the Popular varieties. If there are any particular varieties you are interested in, we are in a position to supply same. Send us your list, and we shall be pleased to quote you prices.

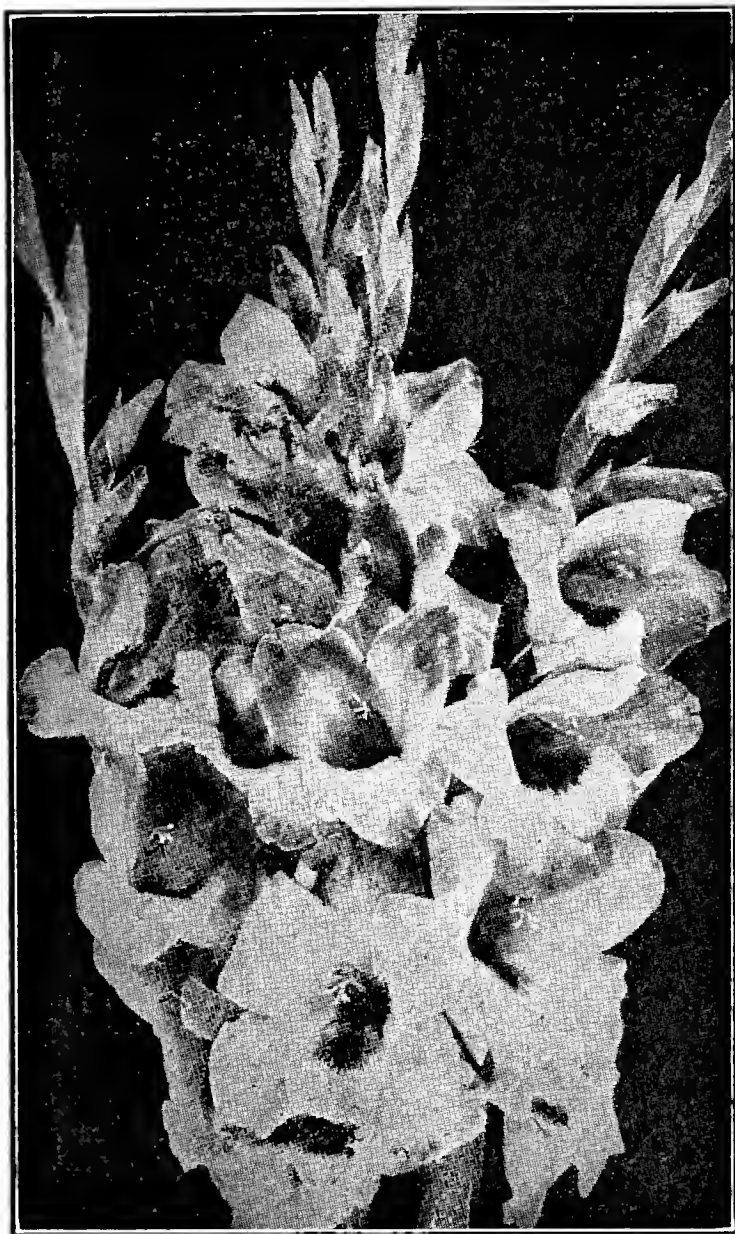
Variety	Blooming Period	Color	Height
Ajuga (Bugle Flower).....	May-June	Blue	6 in.
Alyssum Saxatile	May	Yellow	12 in.
Aquelegia Helenae	May-June	Violet-Blue	12 in.
Arabis (Rock Cress).....	April-May	White	5 in.
Armeria (Thrift)	May-June	Pink	6 in.
Aster Alpinus	June	Lavender-Blue	8 in.
Aubretia Hybrids	April-May	Pink and Blue	6 in.
Campanula Carpatica	July-Aug.	Blue	8 in.
Centaurea (Cornflower)	July-Aug.	Pink	18 in.
Cerastium (Snow in Summer).....	June	White	6 in.
Dianthus (Hardy Pinks).....	July-Sept.	White and Pink	8 in.
Heuchera (Coral-Bells)	May-Sept.	Scarlet	12 in.
Myosotis (Forget-Me-Not)	May-June	Blue	10 in.
Phlox Sublata	May	Lavender	6 in.
Platycodon (Balloon Flower).....	July	Blue	18 in.
Primula (Primrose)	April-May	Assorted	6 in.
Sedums	May-July	Assorted	3 to 6 in.
Viola	All Summer	Assorted	6 in.

STRONG TWO YEAR OLD PLANTS OF ABOVE VARIETIES, 20c each, \$2.00 dozen

GLADIOLUS BULBS

GLADIOLUS bulbs are without doubt the most satisfactory bulbs you can plant in your garden. So easy to cultivate and when planted in rotation, say about two weeks apart until the end of June, you can have a succession of cut flowers for your home until frost. Take the bulbs up in the Fall and preserve them in a cool cellar until the following Spring. Our Bulbs are all free from disease and have not been affected with thrip.

The Gladiolus Bulbs we are offering below are all top size 1½ to 2 inch bulbs, or what are known as mother size bulbs.



Alice Tiplady. (Primulinus) Large orange-salmon flowers with a golden throat. 5c each, 40c per dozen, \$2.50 per 100.

America. Beautiful, long spikes of pink that never fail to give satisfaction. Good free bloomer. Price, 5c each, 40c per dozen, \$2.50 per 100.

Anna Eberius. Velvety maroon purple, with a deeper throat. A distinctive variety in color, with a large flower. 5c each, 40c per dozen, \$2.50 per 100.

Crimson Glow. A perfect scarlet of a deep tone. Very large open flowers of the finest form and exceedingly well placed on a tall spike. 5c each, 40c per dozen, \$2.50 per 100.

Dr. F. E. Bennett. A bright scarlet speckled white. The large flowers are well placed on tall straight spikes. 6c each, 60c per dozen, \$3.50 per 100.

Golden Eagle. Free flowering, clear deep yellow slightly ruffled. An early bloomer. 6c each, 60c per dozen, \$3.50 per 100.

Mrs. Frank Pendleton. A beautiful salmon pink, lower petals spotted carmine. A very satisfactory and popular variety. 5c each, 40c per dozen, \$2.50 per 100.

Mrs. Leon Douglas. A beautiful begonia rose flower striped with scarlet. One of the largest Gladiolus grown. 6c each, 60c per dozen, \$3.50 per 100.

Peace. Large pure white. 5c each, 40c per dozen, \$2.50 per 100.

Virginia. Immense flowers of beautiful Red. 5c each, 40c per dozen, \$2.50 per 100.

MacNiff's Standard Mixture. In this mixture of Gladiolus, you will find a good assortment of varieties and colors. Bulbs are all top size. 5c each, 30c per dozen, \$1.75 per 100.

Special Offer. Ten each of above ten varieties, one hundred in all, all top size, each variety labeled and packed separately, for \$2.25.

JAPANESE LILY BULBS

Very Hardy

What is more beautiful in the perennial garden or border than clusters of these hardy Japanese Lilies. Planted about six inches deep in April or May they will bloom the first season and continue to come up each season and give greater number of blossoms after they have been in the ground two or three years. Do not use manure when planting. If possible place a small handful of builder's sand under the base of the bulb and mix about one tablespoonful of our Rose grower bone meal fertilizer in the soil that is set on top of the bulbs.



LILIUM AURATUM

Auratum (Gold-banded Lily). The grandest of all hardy lilies. Blossoms cone-shaped, pure white spotted maroon, with bright yellow band running through centre of each petal.

	Each	Dozen	100
First size bulbs.....	\$0.25	\$2.50	\$15.00
Extra large bulbs.....	.30	3.00	23.00

Speciosum Roseum or Malpomene. Spotted rich crimson.

	Each	Dozen	100
First size bulbs.....	\$0.25	\$2.50	\$15.00
Extra large bulbs.....	.30	3.00	23.00

Speciosum Rubrum. The petals curl over the same as the other Speciosum types. Color Dark Red and very fragrant.

	Each	Dozen	100
First size bulbs.....	\$0.25	\$2.50	\$15.00
Extra large bulbs.....	.30	3.00	23.00

Speciosum Magnificum. Improved variety of Roseum, Rich Crimson.

	Each	Dozen	100
First size bulbs.....	\$0.25	\$2.50	\$15.00
Extra large bulbs.....	.30	3.00	23.00

Lilium Tigrinum. Improved type of the old Tiger Lily. Very Hardy.

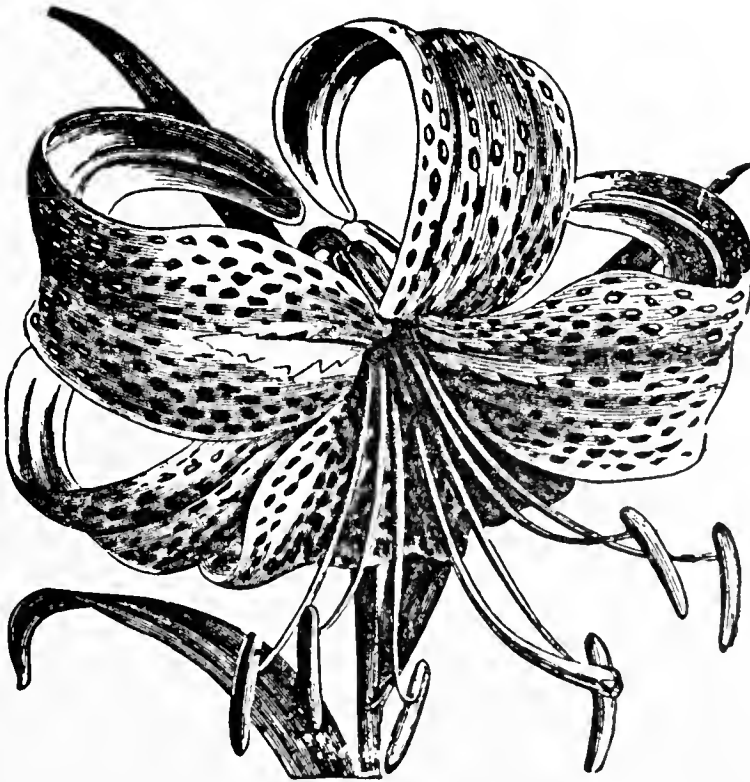
	Each	Dozen	100
Single flowering	\$0.25	\$2.50	\$15.00
Double flowering .....	.25	2.50	18.00

LILY OF THE VALLEY.
These crowns may be planted during the Spring Season and will bloom first season and continue to multiply.

25 Crowns for.....	\$ 1.25
100 Crowns for.....	4.00
250 Crowns for.....	9.00

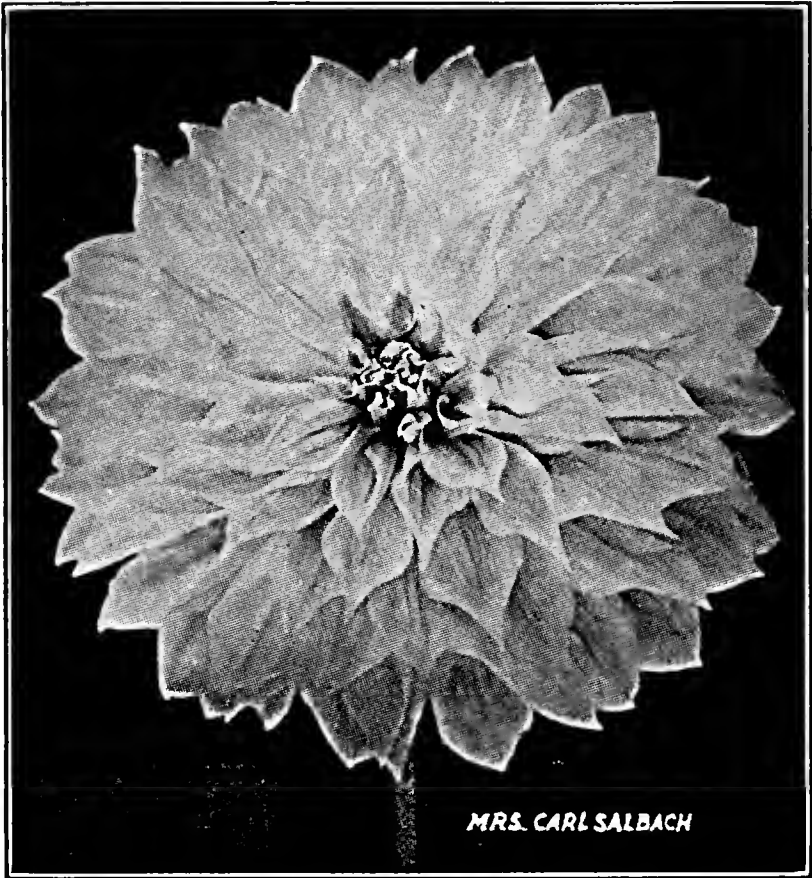
REGALE. Myriophyllum. Very hardy Lily, originated in China. Beautiful fragrant white Lily, similar to the well known Easter Lily and it is sometimes called the hardy Easter Lily. Like all Lily bulbs they should be planted in well drained soil.

	Each	Dozen
Bulbs—First size	\$0.30	\$3.00
Bulbs—Top size .....	.40	4.00



LILIUM SPECIOSUM

MACNIFF'S GUARANTEED DAHLIAS



ABBREVIATIONS:

- I. C.—Incurved Cactus
- S. C.—Straight Cactus (formally Cactus)
- Semi C.—Semi Cactus (formally Hybrid Cactus)
- F. D.—Formal Decorative (formally Decorative)
- I. D.—Informal Decorative (formally Hybrid Decorative)

DAHLIA CLUMPS

FIELD GROWN STOCK

- Francis Larocco (F. D.) Large pure yellow, strong stems.
- Jersey Beacon (F. D.) Very large blooms of a beautiful chinese scarlet color with pale reverse.
- Jersey Beauty (F. D.) Large clear pink.
- Mrs. Ida Van Warner (F. D.) Beautiful soft orchid.
- Sagamore (F. D.) Rich amber gold, shaded toward center to salmon rose.

Above varieites, 25c each, \$2.50 per dozen

Unnamed varieties of Dahlia Clumps in colors of Red, Pink, White and Yellow, at, 15c each, \$1.50 per dozen

LIST OF POPULAR PRICED DAHLIA ROOTS

Roots		Roots	
AMERICAN TRIUMPH (S. C.) Large flow- ers of Bright Red.....	.50	ELITE GLORY (F. D.) Rich radiant red.....	.50
AVALON (F. D.) Pure lemon yellow.....	.50	FORT MONMOUTH (S. C.) Rich wine and crimson, very large.....	.75
CIGARETTE (S. C.) Scarlet tipped white.....	.50	FORT WASHINGTON (F. D.) Large dark maroon	1.00
CHERMARS EUREKA (F. D.) Pure white of excellent quality.....	.75	JANE COWL (I. D.) A glistening bronze buff and old gold.....	.35
DR. JOHN F. CARMAN (F. D.) Deep red very large .....	.75	JIM MOORE (I. D.) Primrose yellow with flushes of gold and salmon.....	1.00
DOROTHY STONE (F. D.) Rose pink flowers very large.....	1.00	KATHLEEN NORRIS (I. D.) An enormous bloom of Rose Pink shading lighter at center	1.00
EARL WILLIAMS (F. D.) Bright crimson tipped white .....	.50	KING MIDAS (I. D.) Giant golden yellow.....	.75
EDNA FERBER (S. C.) An old favorite of coral and gold.....	.75		

DAHLIAS — Continued

	Roots		Roots
KEMPS VIOLET WONDER (I. D.) Napa-lene violet and royal purple.....	.75	ROSE FALLON (I. D.) An old favorite color of a deep old gold.....	.50
MONMOUTH CHAMPION (F. D.) Enormous blooms of Orange flame.....	1.00	STAR OF BETHLEHEM (S. C.) Large pure white	1.50
MARTHA EPPIE (S. C.) A beautiful autumn shade, flowers very large and an excellent keeper	1.50	SISKIYOU (C.) Pink tinged mauve.....	1.00
MINNIE EASTMAN (F. D.) A combination of red and gold.....	.75	SNOWDRIFT (F. D.) Broad waxy petals of pure white.....	.50
OMAR KHAYYAN (F. D.) An unusual coloring of Chinese red shading to bright orange, making a wonderful color effect..	2.00	TRENTONIAN (F. D.) Reddish copper and gold .....	.50
QUEEN OF THE GARDEN BEAUTIFUL. Pale primrose yellow.....	.50	THE WORLD (F. D.) Deep magenta and garnet .....	.50
		THOS. EDISON (F. D.) Royal purple.....	1.00
		THE COMMODORE (I. D.) A large bright yellow Dahlia. Petals large and broad centers full with flowers loose and open....	2.00

SILVER ANNIVERSARY SPECIAL

1 Root Monmouth Champion; 1 Root Kathleen Norris; 1 Root Fort Monmouth; Catalogue Value \$3.25, for \$2.00.

GREEN PLANTS

We offer Green Plants from 2½ inch pots for delivery after May 15th of the following new and prize winning Dahlias:

AMERICAN LEGION (I. D. to S. C.) Massive clear yellow on good stems, better to grow naturally without pinching or pruning	1.75	LA FIESTA (I. D.) An honor roll Dahlia of Butter Yellow penciled red.....	2.50
COLONIAL DAME (S. C.) An honor roll Dahlia of clear Lavender.....	2.50	MYRA HOWARD (I. D.) Saffron yellow and gold	2.00
FANNY SANDT (S. C.) A beautiful Dahlia of mellow pink, very large and attractive	2.00	MURPHY'S MASTERPIECE (I. D.) A monster Dahlia of deep dark red shading to garnet	3.75
KEWEAH (I. D.) A deep clear rose cerise, very large	2.00	SATAN (S. C.) An enormous Dahlia of scarlet with yellow on reverse of petals showing at the center as petals unfold. A very striking Dahlia.....	2.50
KEMP'S WHITE WONDER (I. D.) A giant pure white, petals twisted and curled, many flowers measure 12 inches.....	3.50		

PLANT COLLECTIONS

COLLECTION A

One plant each of any five varieties listed below your own selection and one plant Commodore. Catalogue value, \$3.50 ; for \$2.50.

Bagdad	Jim Moore
Dr. John Carman	Martha Epple
Dorothy Stone	Monmouth Champion
Edw. Thos. Bedford	Star of Bethlehem
Eagle Rock Wonder	

COLLECTION B

One plant each of any four varieties listed below your own selection and one plant Fanny Sandt. Catalogue value, \$6.00 ; for \$3.50.

Alice Stelleck	Prince of Persia
Andria Erickson	The Commodore
D. W. Morrow	Supreme Glory
Jean Trimbee	Meadowbrook
Omar Khayyan	

ANNIVERSARY SPECIAL

1 plant, Omar Khayyan; 1 plant, Dorothy Stone; 1 plant, Dr. Carman; 1 plant, Thomas Edison; Value, \$2.00; Special, \$1.00.

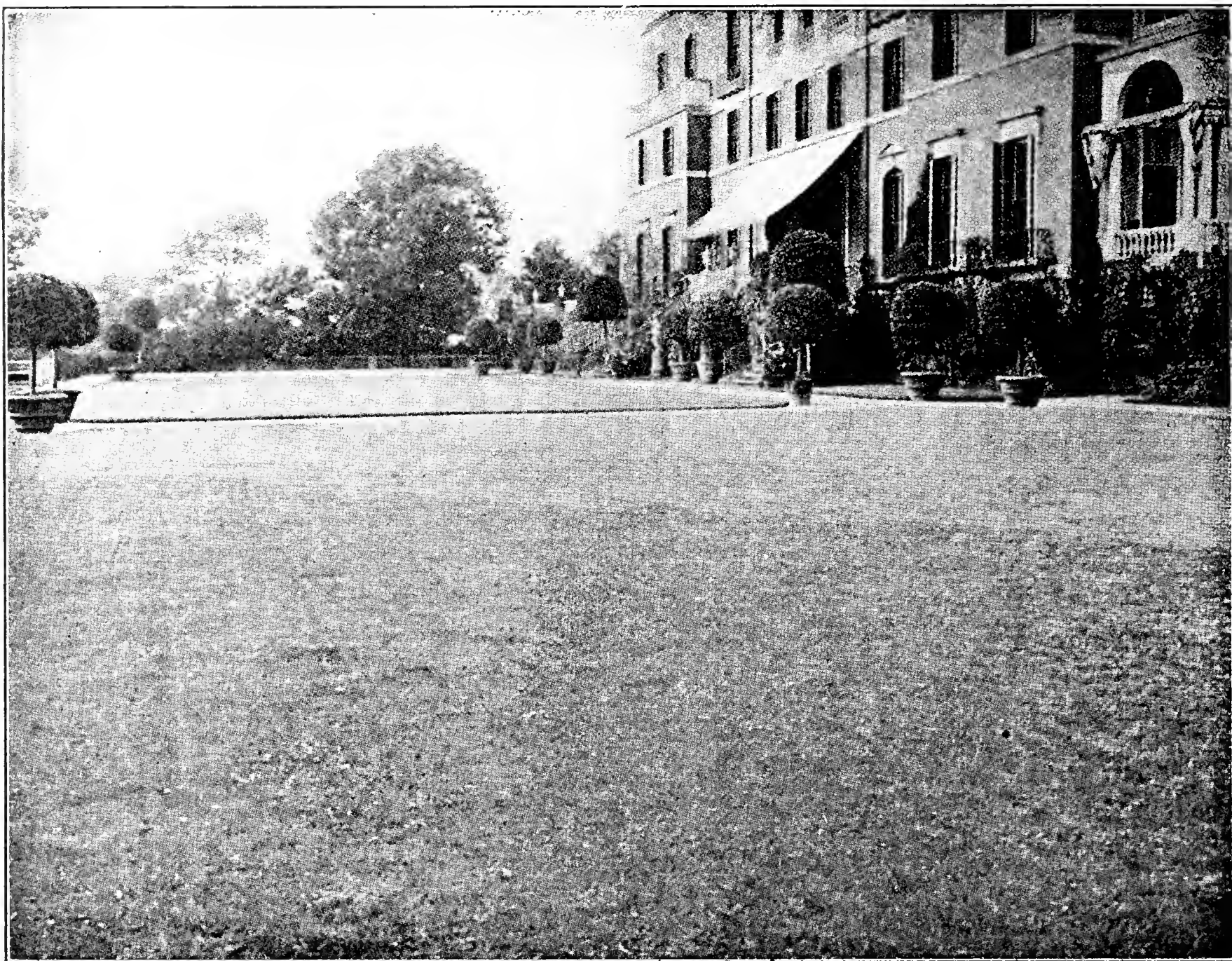
OUR GUARANTEE

If within four weeks after Divisions have been received they do not show signs of life, they are to be mailed back to our salesrooms and new Divisions or Plants will be sent promptly to replace the ones that did not grow.

PRINTED CULTURAL DIRECTIONS INCLUDED IN EACH ORDER.

NOTE: Due to lack of space we are quoting only a few of the most popular varieties. Send for our complete Dahlia List offering special collections, new varieties and Plants at very attractive prices.

EXTRA RECLEANED GRASS AND CLOVER SEED



MACNIFF'S SPECIAL LAWN GRASS SEED

After many careful experiments and tests, we are now in a position to offer this Special Mixture, which includes the several varieties of grasses best adapted for making a beautiful lawn. The blend is evenly proportioned entirely free from weed seeds, and specially selected to withstand the heat and drought of the summer.

With proper attention to the soil before sowing, this mixture produces a rich lawn, closely interwoven, firm and ready for cutting four weeks after sowing.

Numerous testimonials have complimented us upon the finest of all lawn seeds, which bespeaks the hearty commendation of its many users.

By using this magnificent composition of grasses, you will be assured of a durable and lasting lawn. You will find quick germination and dark green, velvety color, that many have aspired to, but which few have attained. You will find grasses that are adapted both to ordinary and unusual conditions.

To sum up, you will find a lawn grass seed that retrieves the hopes and expectations for a superb lawn.

Quantity Required

For new lawn, 10 ozs. will sow 10x20 feet (200 square feet).
Twenty pounds will sow 100x100 feet. One hundred pounds to the acre.
For renovating old lawns, one-half of the above quantity is necessary.

10 ozs. or 1 qt., 35c; 40 ozs. or 4 qts., \$1.25; 5 lbs. or 1 Peck, \$2.25

½ bushel or 10 lbs., \$3.75; 20 lbs. or 1 bushel, \$7.00; 100 lbs., \$30.00

CENTRAL PARK LAWN GRASS SEED

Quantity Required

For new lawns, 5 lbs. (one peck) will sow 40x40 (1600 square feet).
 Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.
 For renovating old lawns, one-half of the above quantity is necessary.
 1 peck or 5 lbs., \$1.25; ½ bushel or 10 lbs., \$2.25; 1 bushel or 20 lbs., \$4.00

SANDY BEACH LAWN GRASS MIXTURE

To make a lawn at the seashore has been a very difficult proposition, but after careful experiments with the different kinds of deep rooted grasses, we are now in a position to offer a mixture that will naturally thrive under the most trying conditions and give results where the ordinary mixture would fail.

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).
 Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.
 For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.25; 1 peck or 5 lbs., \$2.25
 ½ bushel or 10 lbs., \$3.75; 1 bushel or 20 lbs., \$7.00

HILLSIDE OR TERRACE LAWN GRASS SEED

A most difficult thing for both amateur and professional gardeners has been to establish a lawn of quality on terraces, slopes, embankments, etc.

MACNIFF'S "HILLSIDE" LAWN MIXTURE comprises grasses most suitable for growing on hill slopes, all having deep spreading roots that will bind the soil and prevent it from being washed away through heavy rains.

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).
 Twenty pounds (1 bu.) will sow 100x100 ft. One hundred pounds to the acre.
 For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.25; 1 peck or 5 lbs., \$2.25
 ½ bushel or 10 lbs., \$3.75; 1 bushel or 20 lbs., \$7.00

MACNIFF'S GOLF GRASS MIXTURE

MacNiff's Putting Green Mixture.....	20 lbs. (1 bushel) for \$8.00
MacNiff's Fair Green Mixture.....	20 lbs. (1 bushel) for \$8.00
MacNiff's Tennis Green Mixture.....	20 lbs. (1 bushel) for \$8.00
MacNiff's Polo and Ball Ground Mixture.....	20 lbs. (1 bushel) for \$8.00

MACNIFF'S RECLEANED GRASS SEED

Prices subject to market fluctuations.

	Lbs. per Bush	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Bermuda Grass (<i>Cynodden doctylon</i>). Excellent for lawns in South. Should not be used north of Virginia, as it cannot resist frost. Does extremely well in poor soil and under generally adverse conditions. Sow 15 lbs. to acre.....	35	\$0.40	\$12.00	\$25.00
Canada Blue Grass (<i>Poa compress</i>). Considerably bluer than Kentucky Blue Grass, although quality is not so high. A perennial grass that is very hardy. Has flat wiry stems. 6 to 18 inches high. Will thrive in the poorest of soils, surviving extreme drought or prolonged dampness; remaining green until Winter frosts. 60 lbs. to acre.....	21	.40	6.00	23.00
Chewings Fescue (<i>New Zealand</i>). Produces a close and lasting turf. Does very well in shady places, and is very valuable for lawn purposes. Sow 30 lbs. to acre.....	14	.45	5.50	28.00
Bent South German (<i>Agrostis stolonifera</i>). The most satisfactory of all grasses for lawns and putting greens. Growth is rapid and is actually improved by constant cutting and tramping. All lawn mixtures should contain this grass. When sowing alone use 60 lbs. to acre.....	20	1.15	20.00	90.00
Crested Dogs Tail (<i>Cynosurus cristatus</i>). Can adapt itself to almost any soil although produces better results on moist, rich land. Is very valuable as a bottom grass for lawn mixtures. Resembles Kentucky Blue Grass in color, which characteristic recommends its use with that sort. 30 lbs. to acre when sowing alone	21	.40	8.00	30.00
English Rye Grass (<i>Lolium perenne</i>). A very rapid grower, thriving best where conditions do not meet the extremes. Retains its bright green color throughout the season. Very desirable for permanent pastures. Excellent for hay if cut when in blossom. 60 lbs. to acre.....	24	.30	4.00	16.00
Pacey's Rye (<i>Lolium perenne</i>). Selected short-seeded dwarf-growing strain, suitable for lawns. Makes a fine green turf in three weeks. 60 lbs. to acre.....	24	.35	6.50	17.00
Sheep's Fescue, Fine-Leaved (<i>Festuca tenuifolia</i>). A bunch grass, but is desirable for lawn mixtures because of its thick dwarf growth and fine foliage. Hardy and succeeds in dry soil. Can be used for permanent pasture where land is high and devoid of moisture. 30 lbs. to acre.....	14	.55	7.00	43.00
Sheep's Fescue (<i>Festuca ovina</i>). Similar to the <i>Tenuifolia</i> , although foliage is not so fine. Does better in high situations where soil is shallow, poor and gravelly. One of the hardiest, surviving extreme heat and cold. 35 lbs to acre.....	12	.40	4.00	22.00
Hard Fescue (<i>Festuca duriscula</i>). A grass for dry lands, thriving in sandy and shallow soils. Very hardy withstanding adverse weather conditions. Is recommended for permanent pasture rather than for lawns. 30 lbs. to acre.....	12	.40	4.00	25.00
Italian Rye Grass (<i>Lolium-Italicum</i>). An excellent assistant to other grasses during first year. Rapid grower, very successful on moist rich land. 50 lbs. to acre.....	18	.30	5.00	16.00
Kentucky Blue Grass (<i>Poa pratensis</i>). The finest of all grasses for varied planting. Very hardy; the first to start in Spring and remaining green until Winter frosts. Thrives in almost any soil. Very nutritious for pasture. Requires about two years to establish itself, therefore should be sown with other grasses. 50 lbs. to acre.....	19	.35	6.00	25.00
Meadow Fescue (<i>Festuca pratensis</i>). A very good permanent pasture grass, very nutritious and relished by all stock. Do not plant on dry warm land. Matures about second or third year. 40 lbs. to acre.....	22	.25	5.00	10.00

MACNIFF'S RECLEANED GRASS SEED—(Continued)

	Lbs. per Bush.	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Orchard Grass (<i>Dactylis glomerata</i>). An excellent all-around pasture and hay grass. Particularly successful in shady situations. Undesirable for lawns. Three to four bushels to acre.....	14	\$0.30	\$ 4.00	\$15.00
Red Top Grass (<i>Agrostis vulgaris</i>). Permanent perennial grass, adapting itself to almost any situation. Sow 4 bushels to acre	14	.20	2.50	10.00
.....Red Top Grass (<i>Agrostis vulgaris</i>). Fancy, extra-recleaned. The highest quality, absolutely free from chaff and foreign matter. An exceedingly valuable lawn seed.....	32	.25	7.00	14.00
Rhode Island Bent Grass (<i>Agrostic canina</i>). Similar, somewhat, to Red Top and Creeping Bent. When used in connection with other varieties, an excellent grass for lawns. Thrives in both right and sterile silicious soils. 60 lbs. to acre.....	20	1.15	20.00	90.00
Rough-Stalked Meadow Grass (<i>Poa Trivialis</i>). Prefers moist fertile soil. Is successful in shady situations. A permanent pasture and hay grass of quality. 20 lbs. to acre.....	21	.40	7.00	30.00
Tall Meadow Oat Grass (<i>Avena elatior</i>). Very hardy and very productive. Yields two cuttings a year for hay. Cattle relish this grass at all times. 50 lbs. to acre.....	10	.35	3.00	25.00
Timothy (<i>Phleum pratense</i>). As a hay grass this sort is unequalled and unsurpassed. While preferring rich, moist soil, it does well, however, under adverse conditions. Very nutritious and produces a hay crop which outranks all others. An all important factor is the obtaining of high-class seed. We furnish only the choice high-grade seed. When sowing alone, use 25 lbs. to acre.....	45	.25	5.00	10.00
Wood Meadow Grass (<i>Poa nemoralis</i>). Particularly adapted to shady situations. Will thrive where a great many grasses fail. Also makes a pasture of good nutritive value. To be used in all putting-green mixtures and in lawn and permanent pasture where shade or moisture exists. 30 lbs. to acre.....	14	.65	8.00	50.00

MACNIFF'S EXTRA RECLEANED CLOVER SEEDS

	Lbs. per Bush.	Price per Lb.	Price per Bush.	Price per 100 Lbs.
Alfalfa, or Lucerne (<i>Medicago sativa</i>). In deep, rich, well-drained soil it is a perennial, and several crops can be produced within a year. Care should be taken in purchasing seed, as inferior grades are numerous. We offer the highest quality Western-grown seed. Sow 25 to 30 lbs. to acre.....	60	.45	25.00	35.00
Alsike, or Hybride Clover (<i>Trifolium Hybridum</i>). An excellent clover for cattle and honey-bee. Very hard and productive. Thrives regardless of weather conditions. 15 lbs. to acre.....	60	.40	20.00	28.00
Red Clover, Medium (<i>Trifolium pratense</i>). A valuable sort; produces two crops yearly. Also used extensively for plowing under as a green manure. Plant in Spring 15 lbs. to acre.....	60	.40	20.00	28.00
Mammoth Red, or Pea Vine Clover (<i>English Cow Grass</i>). An excellent clover for plowing under. It has a longer life and is larger than the Red Clover. 12 lbs. to acre.....	60	.40	20.00	28.00
Crimson, or Scarlet Clover (<i>Trifolium incarnatum</i>). A very productive variety, but not hardy. Very good also for plowing under. Cut when in full bloom for hay crop. Plant 20 lbs. to acre	60	.25	14.00	20.00
White Clover (<i>Trifolium repens</i>). Extra recleaned. Should be used in all lawn mixtures, as it forms an excellent bottom. Very good pasture seed also. Sow in Spring with other sorts 1 to 2 lb.; when alone, 8 to 10 lbs. to acre.....	60	.55	30.00	45.00

1 oz.\$0.15
1/2 lb.35

1/4 lb.\$0.25
1 lb.55

INSECTICIDES and FUNGICIDES—(Continued)

POMO GREEN—With Nicotine. Used as a prevention against mildew, black spot, etc., for Roses and other flowers. It kills plant lice and chewing insects. Price: 1 lb., 75c; 5 lbs., \$3.00.

LIME SULPHUR, Dry—For dormant spraying of fruit and shade trees and bushes against San Jose and Oyster Shell Scale. Also Peach Leaf Curl and Brown Rot of Peaches. Used for same purposes and has all the effectiveness of Lime Sulphur and is much easier and far more pleasant to handle. One pound makes 3½ to 5 gallons. Price: 1 lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

LIME SULPHUR SOLUTION, Liquid—For dormant spraying of fruit and shade trees. Also for summer spraying of fruits for all forms of Scale insects and for Peach Leaf Curl, Apple Scab, Strawberry and Asparagus Rust. One gallon makes about 9 gallons for a dormant spray and about 40 gallons for summer spraying. Price: 1 qt., 45c; gal., \$1.00; 5 gals., \$3.75.

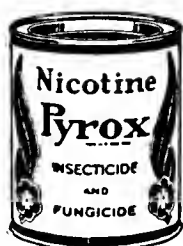
MO LO. A preparation for destroying and driving away moles. Per pkg., 25c.

NAPHTHALENE FLAKES will kill Thrip on Gladiolus Bulbs. After the bulbs are fairly dry, clean them. Take the roots and old bulbs off. Scatter Naphthalene Flakes over the bulbs at the rate of one ounce or more to 100 bulbs. Cover the tray with paper, cloth or something to help confine the fumes. Keep them fairly warm, 60 to 70 degrees for two or three weeks, then shake the Naphthalene Flakes off and store in a cool cellar. 1 lb., 25c; 5 lbs., 75c; 10 lbs., \$1.40; 25 lbs., \$2.50; 100 lbs., \$8.00.

PARIS GREEN. A poisonous powder for potato bugs, worms, caterpillar, slugs, etc. Price: ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.00.

PARADICHLORBENZENE (PARACIDE) — Peach Tree Borer. Kill the Peach tree borer with Paracide. Easily applied. Sure death to the borer. Price: 1 lb., 60c; special quotation on quantity lots.

PYROX NICOTINE



A combined insecticide and fungicide for all leaf eating insects, blight and fungus troubles; it is a pasty substance and needs only to be mixed with cold water. 10 oz. Jar, 50c; 5 lbs., \$2.00.

RED ARROW. Absolutely non-poisonous to children, poultry, or pets, but deadly to insects. Will absolutely not burn, blight or stain the tenderest leaf, flower or petal. 1 oz. bottle, 35c; 3½ oz. bottle, \$1.00; ½ Pint, \$1.75.

SCALECIDE—A reliable, simple and economical spray for San Jose, Mussel, Brown and Red Scale, Pear Psylla Rust, Mite and such other scale and soft bodied insects. It also destroys many of the eggs and larvae of insects wintering in trees. Price: qt., 60c; gal., \$1.35; 5 gals., \$4.75; 10 gals., \$8.50; 30 gals., \$18.00.

SNAROL—Is a scientifically prepared meal that mean death to Cut Worms, Slugs, Snails and Grass-hoppers. The pest eats it as a food and is quickly exterminated. This modern pest control, unlike many others is safe to use around pets or fowls. Price: 1½ lbs., 35c; 4 lbs., 85c.

SLUG SHOT POWDER—Price: 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$4.00; keg, 125 lbs., \$16.00.

SULFOCIDE. A concentrated liquid sulphur fungicide. Used on all kinds of fruits. Price: 1 pint, 50c; 1 quart, 85c; 1 gallon, \$2.25.

TREE WOUND PAINT—Stops decay and tree bleeding. Is not effected by heat, cold or moisture. Price: ½ pt., 40c; pt., 70c; 1 qt., \$1.25; 1 gal., \$3.00.

TOBACCO DUST—For dusting only. Price: 1 lb., 15c; 5 lbs., 35c; 10 lbs., 65c; 100 lbs., 4.00.

TOBACCO STEMS. Price: 1 lb., 15c; 5 lbs., 35c; 100 lbs., \$3.50. Quotations on larger quantities.

TREE TANGLEFOOT. Paste for painting around the trunk of trees. Price: 6 oz. can, 25c; 1 lb. can, 60c; 5 lbs., \$2.75; 10 lbs., \$5.25.

WEED KILLER—See Herbicide.

WILSON'S O. K. PLANT SPRAY—A powerful, yet safe and efficient insecticide for general outside or greenhouse use. Positive control for most insects commonly found attacking flowering plants, shrubs; and ornamentals. ½ pt., 40c; Qt., \$1.00; Gal., \$3.00; 5 gals., \$12.00.

SPRAYERS AND DUSTERS

BRONX BOTTLE SPRAYERS



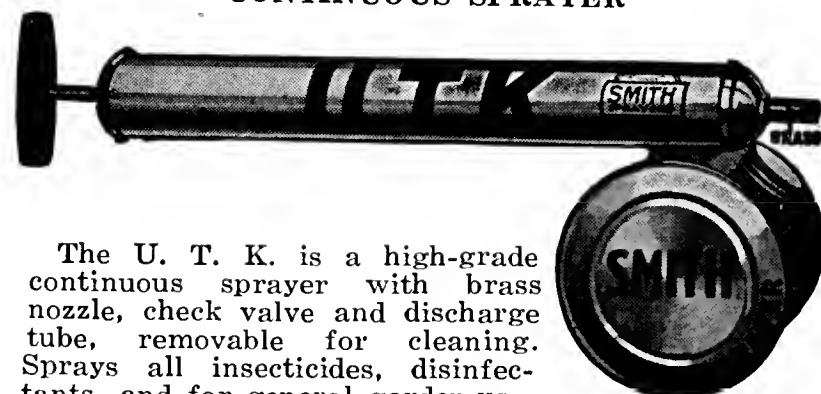
For spraying insecticides, flowers, roses, shrubbery, house-plants, disinfectants, moth and fly-killing liquids. For use in homes, schools, hospitals, poultry houses, factories, etc.

Sprayer is made entirely of heavy brass, nickel-plated throughout and may be entirely disassembled for cleaning when desired; sprayer screws to blue glass bottle.

Nozzle throws powerful, large, broad mist. Will spray in any direction. Long pump stroke, easy pumping.

Pint size, complete.....\$1.50
Quart size, complete..... 1.75

U. T. K. CONTINUOUS SPRAYER



The U. T. K. is a high-grade continuous sprayer with brass nozzle, check valve and discharge tube, removable for cleaning. Sprays all insecticides, disinfectants, and for general garden use.

The tank is double seamed, strong and durable, and is stationary to the pump. Throws large, continuous, fine mist spray.

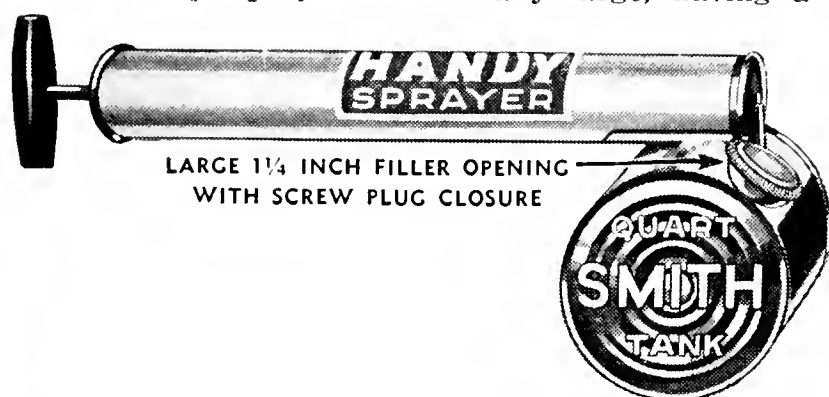
1 qt. Tin Sprayer.....\$0.85
1 qt. Galvanized Sprayer..... 1.00

SPRAYERS AND DUSTERS

No. 2 HANDY TIN SPRAYER

(FULL QUART SIZE)

This Handy Sprayer is unusually large, having a



full quart size reservoir and extra long pump. Equipped with large, funnel shaped filler opening with screw plug.

Pump Chamber—12 in. by 1½ in., over all 17 in.

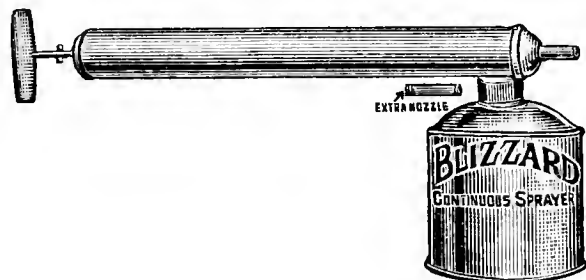
Tank—4½ in. by 4 in. Full quart.

Filler Opening—Large, funnel shaped with screw plug.

Price \$0.40

NEW BLIZZARD

SEAMLESS BRASS PUMP—SOLID COPPER FULL QUART TANK—TWIN NOZZLE



The NEW BLIZZARD has a solid, copper tank with seamless brass pump barrel and twin nozzle for spraying straight ahead or at an angle. Tank has extra large filler opening for easily filling. All parts easily removed, without tools for cleaning purposes. Slow pumping keeps up a continuous unbroken spray. Easy for woman, man or child to operate.

Sprays all insecticides on flowers, roses, garden vegetables, shrubbery, plants, etc.; disinfectants, cow spray, house spray or anything in liquid form.

Pump Chambers—Seamless brass 1½ in. x 14½ in.;

overall length 17½ in.

Tank—Solid copper, full quart capacity. Screws to pump.

Nozzles—Twin, for straight or angle spray.

Price \$1.60

BROWN'S AUTO SPRAY

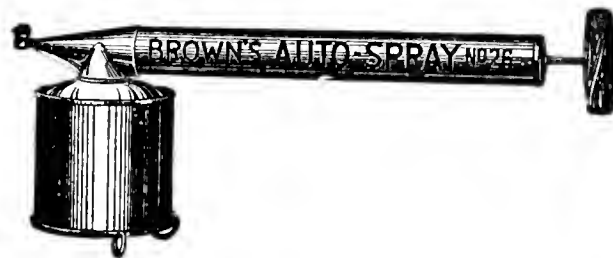


Pump—Heavy lithographed tin plate, 12 in. long and 1¾ in. in diameter.

Tank—Heavy tin plate, one quart capacity.

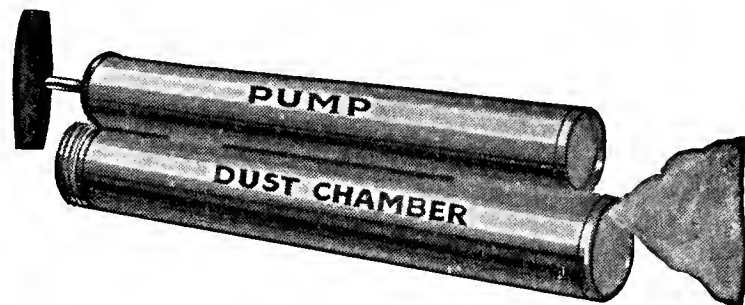
Price \$0.40

BRASS TANK AUTO SPRAY



This sprayer is a continuous action atomizer which sprays on both the up and down stroke of the plunger. It will handle all disinfectants, insecticides, etc. Is used especially around the house, in the garden, chicken house and dairy barn. Tin pump, brass tank, combined straight and angle nozzles, with lock nut to secure angle nozzle at proper angle. 1 qt. Price: \$1.35.

DOUBLE BARREL DUST GUN



This Dust Gun is highly recommended for dusting in poultry houses. It will handle all insecticides, such as Arsenate of Lead, Paris Green, Carbola, Arsenate of Calcium, Sulphur, etc., for dusting vegetables, shrubbery and flowers. Price.....\$0.70

"CYCLONE" POWDER GUN

Very useful for dusting powder on birds, animals and plants. Price25c each

RUBBER PLANT SPRINKLERS

Best sprinkler in use for house plants. Price.....\$0.75

RUBBER PUTTY BULB

Very useful for liquid putty to apply on greenhouse glass. Price.....\$1.25

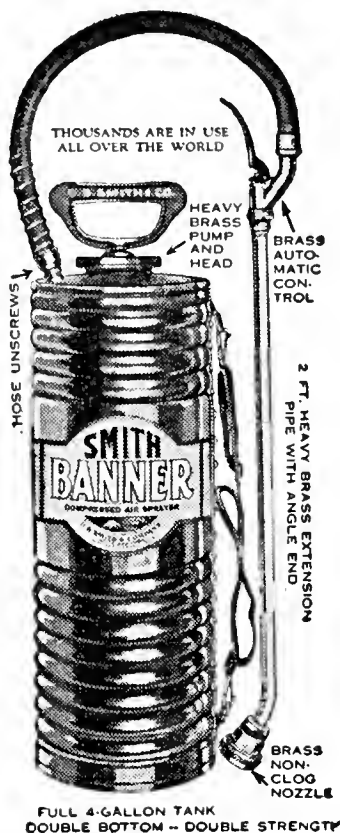
COMPRESSED AIR SPRAYER



An inexpensive sprayer designed to meet the demand for a fine quality sprayer at a low price. The tank is of best quality copper bearing galvanized steel, pump is of seamless brass with leak proof valve. Capacity 3¾ gal. Galvanized tank, \$1.50.

SPRAYERS (Continued)

BANNER COMPRESSED AIR SPRAYER



Very handy for general spraying in garden, and small fruit trees.

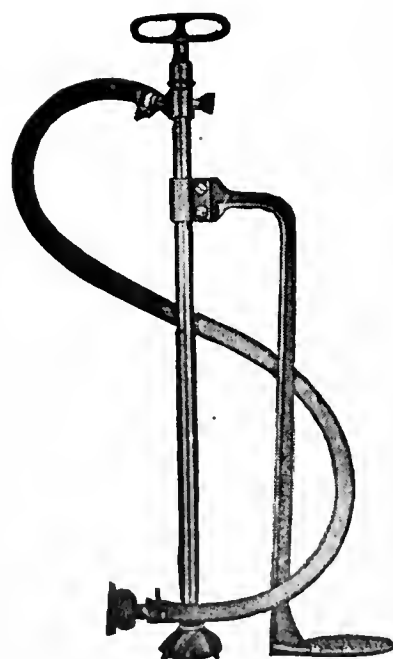
Smith Banner, No. 22 Solid Brass.

Price, 4½ gal.\$9.00

Smith Banner, No. 22, Galvanized.

Price\$6.00
 Brass ext. pipes, 2 ft. length.....60c each
 Brass ext. pipes, 3 ft. length.....75c each

AUTO SPRAY No. 6



A powerful bucket pump which easily generates a pressure of 200 pounds per square inch. It is double acting, producing a continuous spray. Made of brass, equipped with a brass suction strainer as well as a strainer in the nozzle. The pump is equipped with a foot rest 16 inches high, enabling the operator to use almost any bucket or container.

Uses—For spraying field crops, shrubs, vines, poultry houses, for removing wall paper, disinfectant, whitewashing, creosoting shingles, applying floor oils and for general purposes. Auto-Spray No. 6,

complete\$3.50

LIGHTNING SPRAYER



For spraying all insecticides, garden vegetables, plants, trees, shrubbery, flower beds, cotton, and for spraying whitewash, Carbola, disinfectants, fly oil, washing windows, automobiles, etc.

The Lightning will spray anything in liquid form and is easily operated by a man or boy. It has no complicated parts to get out of order. All the principal working parts are of brass and the sprayer will last indefinitely if given a little care.

Capacity about 4 gallons. Made of heavy galvanized steel with galvanized steel tank.

Price Galvanized\$4.50
 Price Brass 7.00

WHITEWASH BRASS BUCKET SPRAY PUMP

This is a brass pump for poultry, garden or greenhouse work. Very convenient—setting into an ordinary galvanized pail, held firmly by your foot. It is fitted with brass ball valves which are proof against action of acids or oils. The hose is attached to the pump by a brass coupling. No suction hose is needed, as the pump sets in the pail with the malleable iron foot held inside. Also furnished with an improved adjustable foothold and pail clamp.

Easy to operate; convenient to carry.

PRICE

Pump with 4-foot hose and nozzle, foothold and pail clamp\$7.50



SPRAYMASTER



SPRAYMASTER

Continuous Sprayer. Heavy, 2-quart Galvanized tank with large filler opening. Pump, seamless Brass, 14½ in. x 1½ in. Brass, twin nozzles for straight or angle spray.

The SPRAYMASTER is adapted for spraying flowers, roses, shrubbery, garden vegetables, disinfectants and for many other uses. It is a high grade, well built continuous sprayer. Price, each.....\$1.50

GARDEN REQUISITES

FLOWER POTS, STANDARD
Earthenware

Will not be responsible for breakage.



	100	1000
2 in.	\$1.50	\$11.00
2½ in.	1.75	13.50
3 in.	2.50	17.00
4 in.	3.50	28.00
5 in.	5.75	Price
6 in.	8.50	on
7 in.	12.75	Ap-
8 in.	17.00	plica-
9 in.	29.00	tion
10 in.	42.00	

Saucers of Same Material to Fit Pots

Diam.	100	Diam.	100
4 in.	\$2.25	8 in.	\$8.25
5 in.	3.00	9 in.	11.25
6 in.	4.50	10 in.	13.50
7 in.	6.00		

STAKES, HEAVY TONKINS
Natural Color

Length	Diameter	Doz.	100
3 feet	¾"	\$0.35	\$2.00
4 feet	½ to ⅝"	.50	3.00
5 feet	⅝ to ¾"	.65	3.50
6 feet	¾ to 1"	.75	4.00

JAPANESE BAMBOO STAKES
Dyed Green, Pencil Thickness

	Doz.	100
2 feet	\$0.20	\$0.65
3 feet	.25	.75
4 feet	.30	.85
5 feet	.35	1.00
6 feet	.40	1.25

POT LABELS
Painted

	100	1000
4 in. painted	\$0.40	\$2.00
5 in. painted	.45	2.50
6 in. painted	.50	3.00
12 in. painted	1.35	10.00

Labels—Copper Wired, Painted, 3½ in. Price:
40c per 100; \$2.50 per 1,000.

Perfection Glazing Points. No rights or lefts.
No. 2 small for single thick glass; No. 2½ for
double thick glass. Price per box of 1 lb. or
1,000, 75c; 10,000, per 1,000, 65c.

RATNIP. A powerful poison paste for mice
and rats. Easily applied to bread. 35c per tube.

RAT CORN
NO ODORS OR SMELLS

It mummifies them. No matter where they die,
they simply DRY UP. Positively do not smell.
Rat Corn is a new and scientific discovery, and
without a doubt the greatest rat destroyer in the
world; the only one that kills rats without any
bad, dangerous or disagreeable effects. A trial
will convince you; 25c, 50c and \$1 per can.

NEPONSET FLOWER POTS
DO NOT BREAK

Tough, waterproof paper, gives to Bird's Im-
proved Neponset Flower Pots a lasting strength.

HOLDS MOISTURE



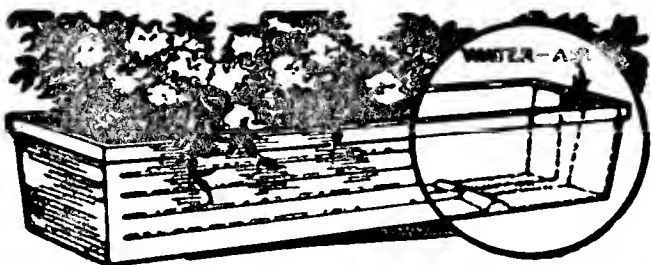
Bird's Improved Neponset
Flower Pots retain the moisture.
These pots are most satisfactory
for growing, shipping and trans-
planting of seedlings or plants.

Are Ideal for Transplanting

When used for transplanting, Bird's Improved
Neponset Flower Pots permit speed in handling,
and, if desired, ease in removing. Their light-
weight, toughness, and economy make them an
ideal pot for rooting or shipping plants of any
description.

	Dozen	100	1,000
Size 2¼ inch	\$0.10	\$0.70	\$4.75
Size 2½ inch	.15	.80	5.25
Size 3 inch	.18	1.00	7.50
Size 3½ inch	.22	1.15	8.50
Size 4 inch	.25	1.35	11.00
Size 5 inch	.30	2.00	17.00
Size 6 inch	.40	2.60	22.00

WINDOW BOXES



Self irrigating and air circulating system.
Water is poured in either end. The drainage
plug in the end is removable. Made of coppered
steel with a lead coat which will not rust or de-
teriorate.

PRICES:

20 in. long, 6 in. deep, 7 in. wide	\$1.00
26 in. long, 6 in. deep, 7 in. wide	1.25
32 in. long, 6 in. deep, 7 in. wide	1.50
38 in. long, 6 in. deep, 7 in. wide	2.00
44 in. long, 6 in. deep, 7 in. wide	2.50

PRUNING SHEARS

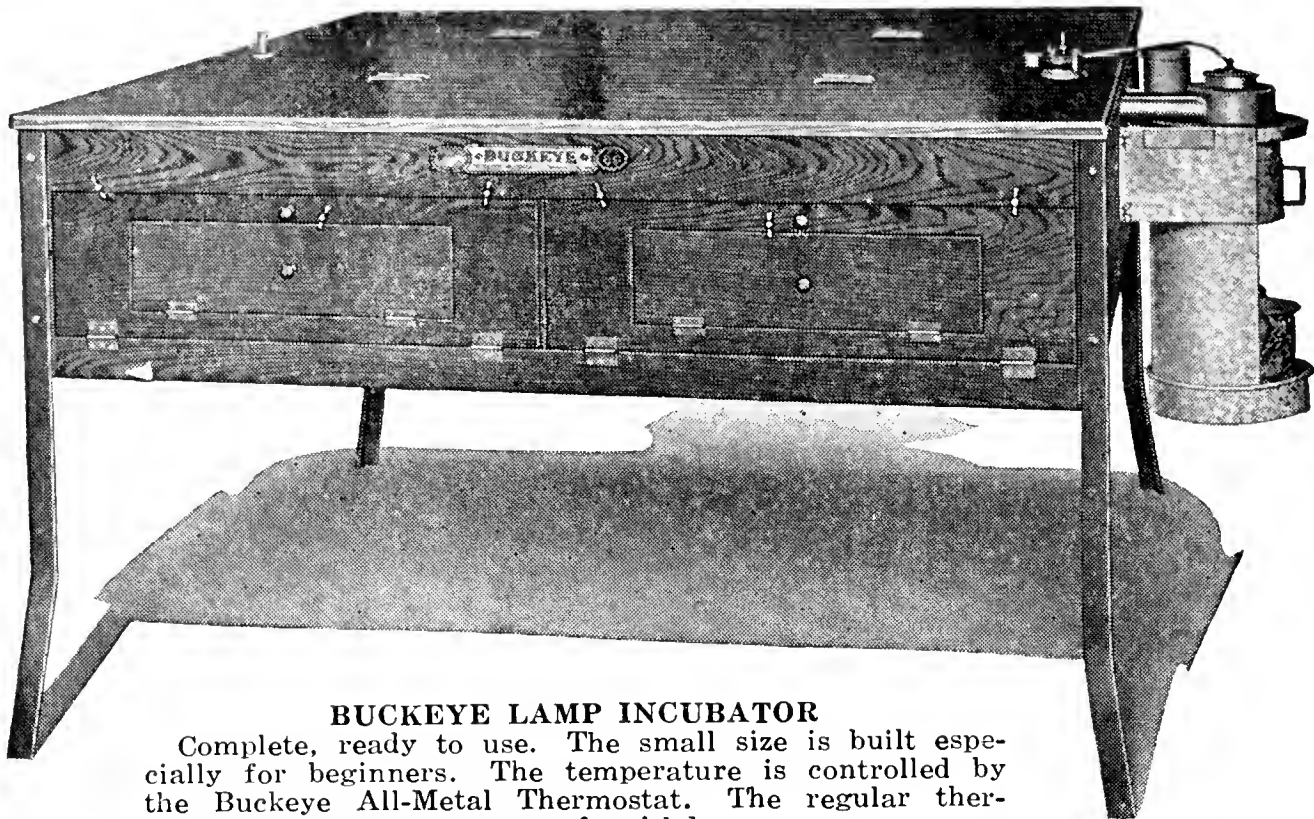
Made with black Japan handles, forged tool
steel, polished blade, volute spring, bolt with lock
nut, spring latch.

7 in.	each \$1.00
8 in.	each 1.25
9 in.	each 1.50

RAPHIA

Natural Color. For tying plants.
45c per lb; 5 lbs. for \$2.00
Green, ½ lb., 50c; 1 lb., 90c.

INCUBATORS AND BROODERS

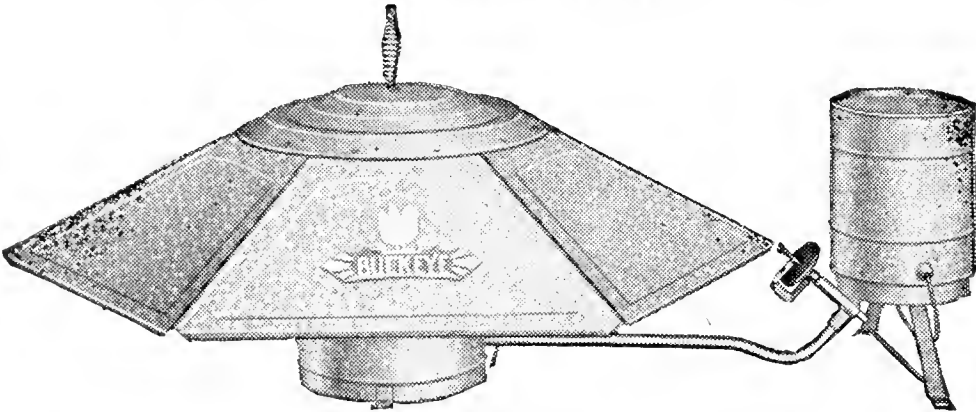


BUCKEYE LAMP INCUBATOR

Complete, ready to use. The small size is built especially for beginners. The temperature is controlled by the Buckeye All-Metal Thermostat. The regular thermometer and egg tester are furnishd.

No. 65, 75 Egg Capacity.....	\$17.50
No. 66, 143 Egg Capacity.....	37.50
No. 67, 286 Egg Capacity.....	54.50
No. 68, 416 Egg Capacity.....	72.75

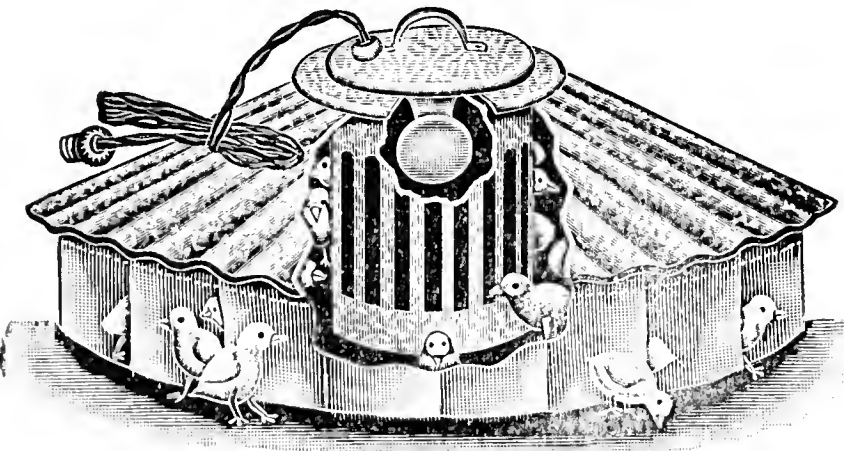
NEW AUTOMATIC
"Blue Flame" Oil-Burning Brooder



The flame is automatically controlled by a sensitive double-wafer Thermostat. This Brooder burns ordinary kerosene.

No. 642, 300 chick size.....	\$10.35
No. 652, 500 chick size.....	10.95

EDUCATOR ELECTRIC HOVER



A low priced Electric Brooder for 50 to 60 chicks. Ideal for store window or counter display for chicks. A 60 to 100 watt bulb is recommended. Canopy 25 inches in diameter. Price.....\$2.50

WAFER THERMOSTATS

3 inch Double.....	\$0.35 each
4 inch Double.....	.50 each
5 inch Double.....	.65 each



ELECTRIC HEN

It can be furnished to operate on 32 volt, 110 volt or 220 volt current, either direct or alternating. Simply attach to a light socket, adjust the heat with the automatic thermostat, and the heating requires very little attention for the entire hatch.

When hatch is completed the lid can be quickly removed and made into a brooder. A set of brooder legs snap into place quickly and easily. The double brooder curtain is easily attached and adjusted.

K-87—60 egg size, complete with thermometer, brooder curtains, egg tester and legs.....	\$12.50
K-88—100 egg size, with same accessories.....	16.00

BUCKEYE
BLUE FLAME BROODERS

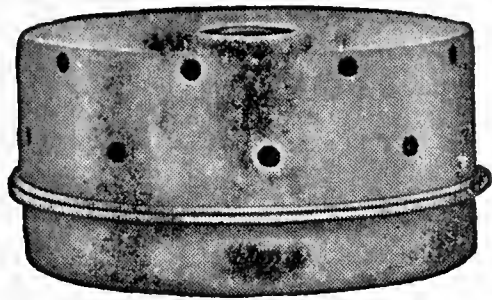
No. 27B, 250 Chick capacity, 34" canopy.....	\$13.75
No. 80B, 350 Chick capacity, 42" canopy.....	14.75
No. 81B, 500 Chick capacity, 52" canopy.....	15.50

BUCKEYE
COAL BROODERS

No. 117, 300 Chick size, 42" Canopy.....	\$14.25
No. 118, 500 Chick size, 52" Canopy.....	16.50
No. 119, 1000 Chick size, 56" Canopy.....	21.50
No. 120, 1200 Chick size, 60" Canopy.....	25.00

POULTRY REQUISITES

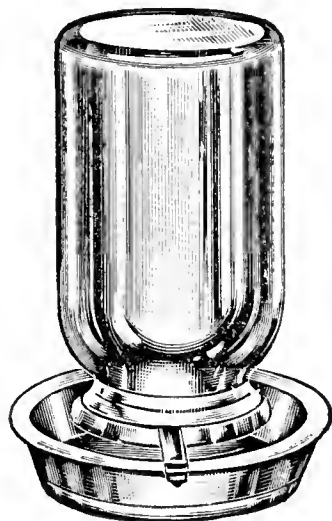
The Little Putnam Stove



YOU CAN GET WINTER EGGS. Simply keep the drinking water from freezing and feed Sprouted Oats with the usual Grain Ration. Therefore, to make eggs and lots of them in WINTER TIME, your fowl must have water to drink and plenty of it. The Little Putnam Stove holds three pints of oil and burns a MONTH with one filling. (Patented principle.) Requires absolutely NO ATTENTION, except to be filled; never needs trimming; GREAT TIME SAVER, because its use makes unnecessary the renewal of water two or three times a day on account of freezing in zero weather. Price\$2.00

GLASS PAN
FOUNTAINFOR USE OF MASON
JARS

No. 65G



The drinking pan is of heavy molded glass with smooth edge. The Mason Jar screws into the metal clip and is held firmly in position. The clip snaps over the outer edge of the pan. Jar and clip are quickly detached from the pan for filling or cleaning. An ideal fount for feeding buttermilk or medicated water. Saucer is 6 inches in diameter. Chicks cannot get into the pan. No. 65G, Price.....\$0.15 ea.

THE TWIN DUPLEX



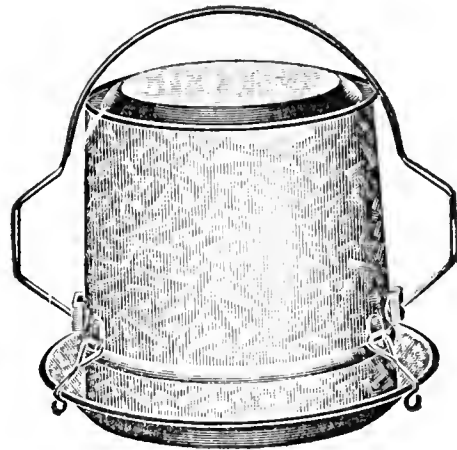
FOUNTAIN

Constructed with two water fountains which doubles the drinking capacity.

2-gal. size\$1.65

5-gal. size 3.00

LEADER WATER FOUNTAIN

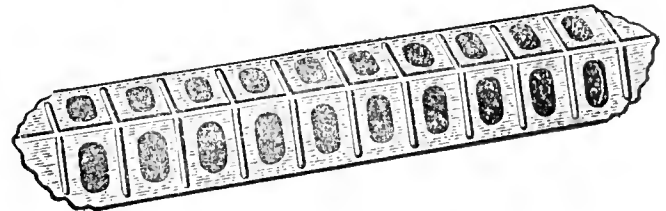


Made of heavy gauge galvanized steel. Made in two pieces. Invert to fill.

2 gal. size.....\$1.15

3 gal. size..... 1.35

CHICK FEED TROUGHS



Patented June 6, 1923

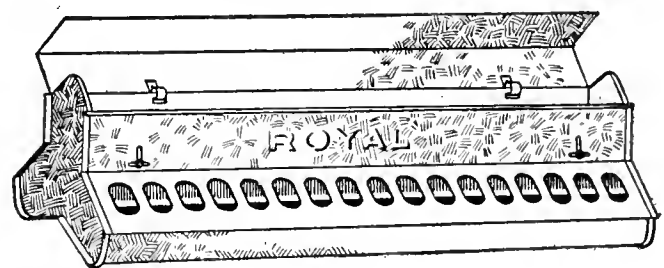
No. 71G

Heavy one piece, seamless trough stamped out of galvanized steel. Easy to keep clean. Gable shaped cover prevents chicks from getting into trough and wasting feed. Cover slides off easily.

71G—10 in.\$0.15 ea.

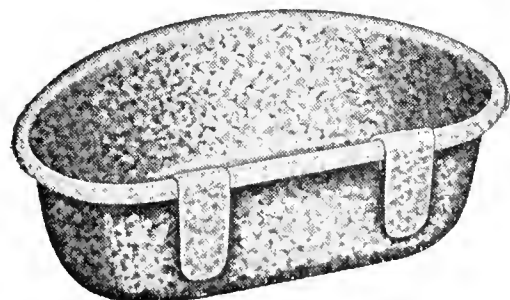
72G—20 in.25 ea.

ROYAL CHICK HOPPERS



A wonderful feeder for baby or growing chicks and will pay for itself in a short time in the saving of time and labor, where chicks are raised in large numbers. Slide top; easily filled and cleaned, all turned edges on feeding holes. Price.....\$1.25
No. 42 21 in., 32 feeding holes, 12 qts. mash capacity

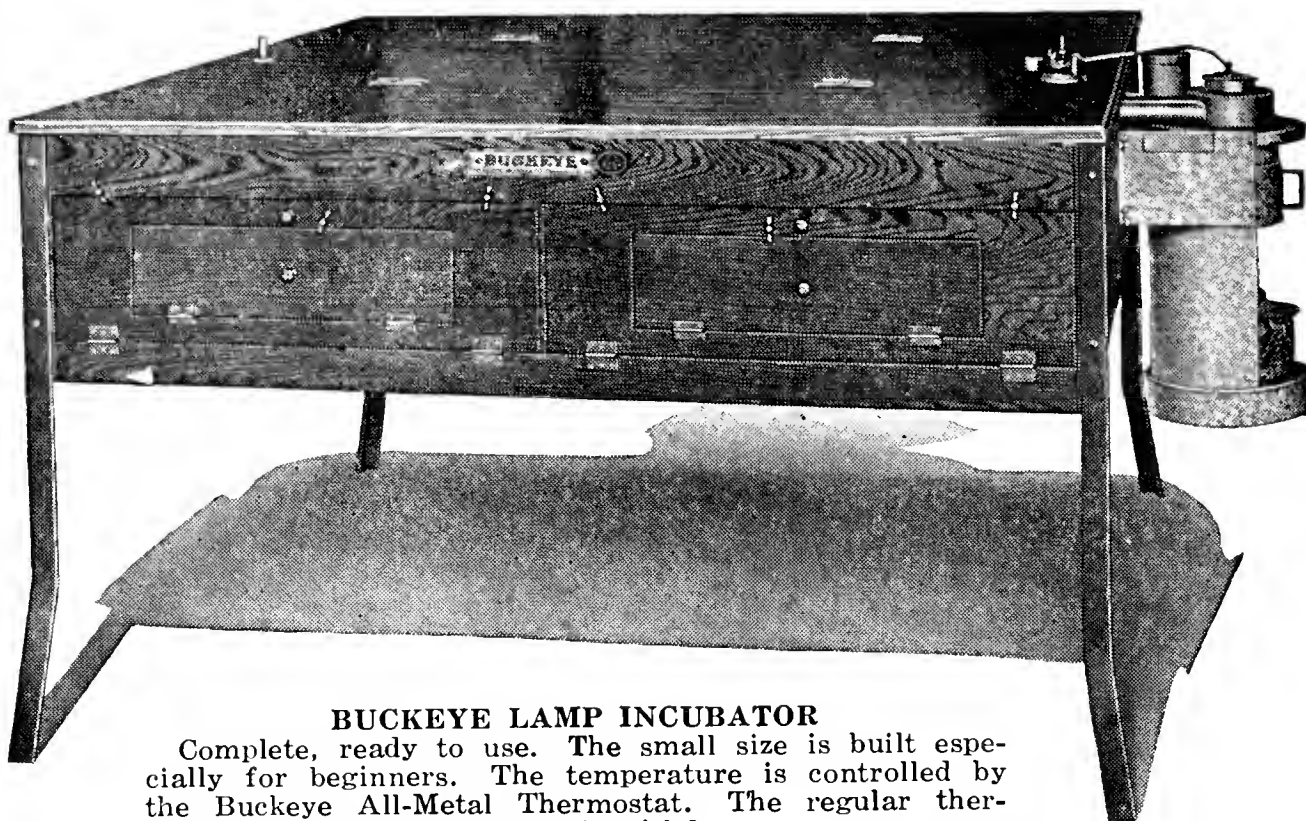
COOP CUPS



No. 1

Made of terne plate. 1/2 pt. size, 15c each; \$1.50 doz.

INCUBATORS AND BROODERS

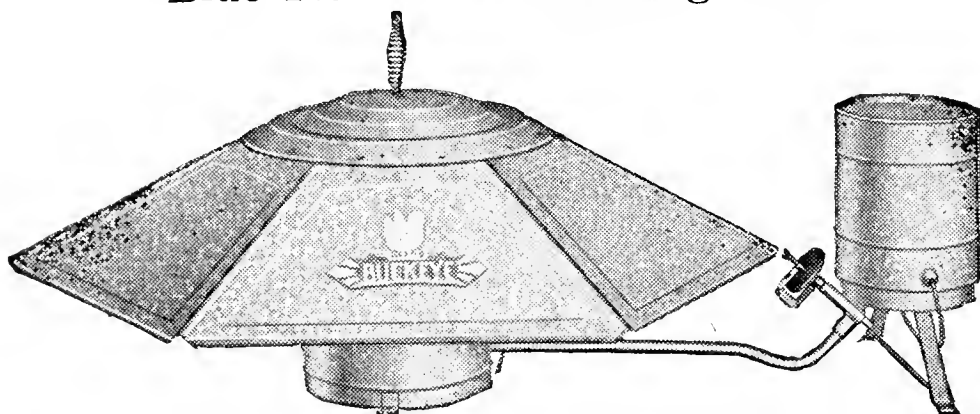


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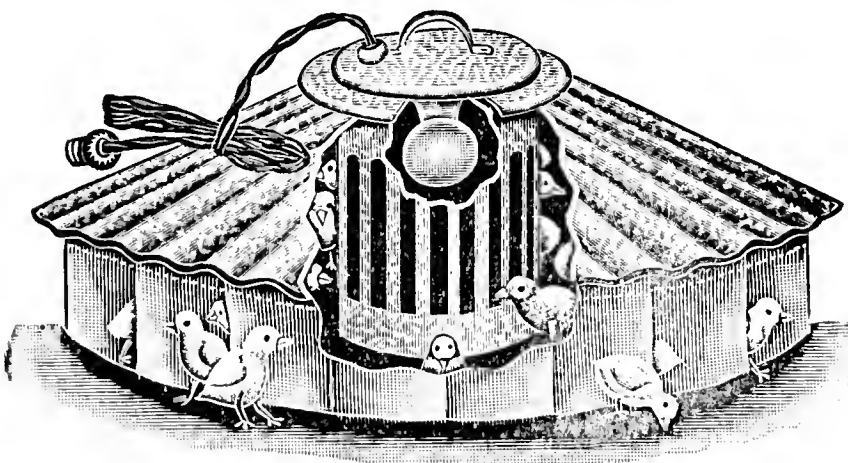
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The flame is automatically controlled by a sensitive double-wafer Thermostat. This Brooder burns ordinary kerosene.

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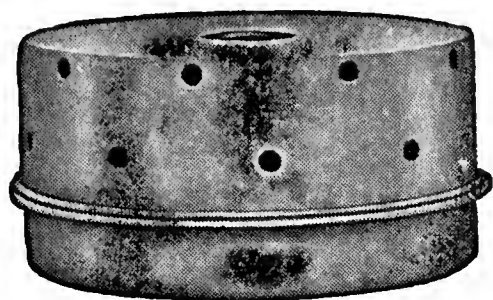
BUCKEYE

COAL BROODERS

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No. 119, 1000 Chick size, 56" Canopy.....	21.50
No. 120, 1200 Chick size, 60" Canopy.....	25.00

POULTRY REQUISITES

The Little Putnam Stove

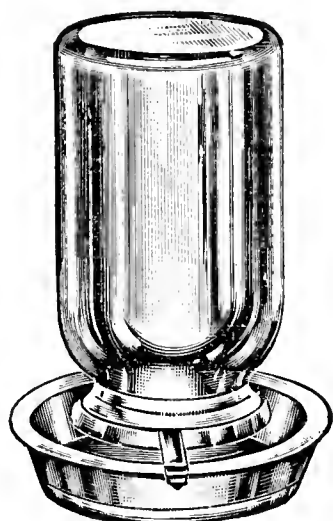


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GLASS PAN
FOUNTAIN

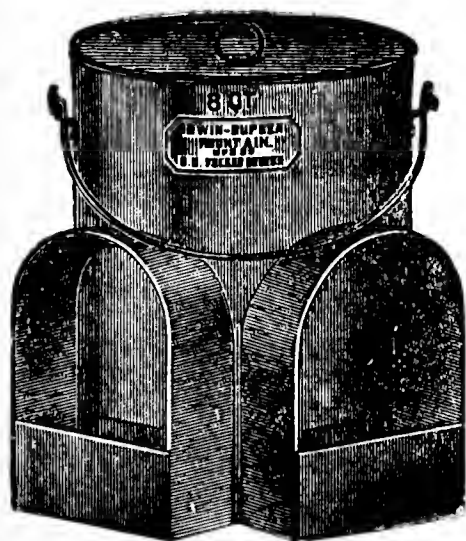
FOR USE OF MASON
JARS

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THE TWIN DUPLEX



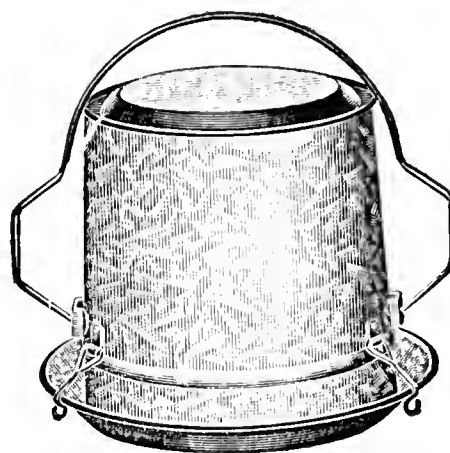
FOUNTAIN

Constructed with two water founts which doubles the drinking capacity.

2-gal. size\$1.65

5-gal. size 3.00

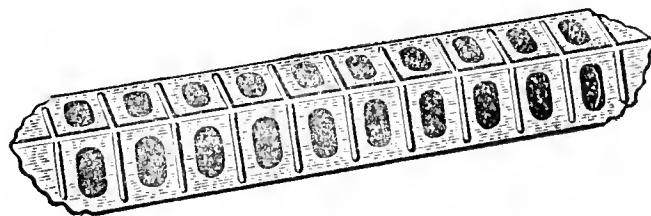
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2 gal. size.....\$1.15
3 gal. size..... 1.35

CHICK FEED TROUGHS



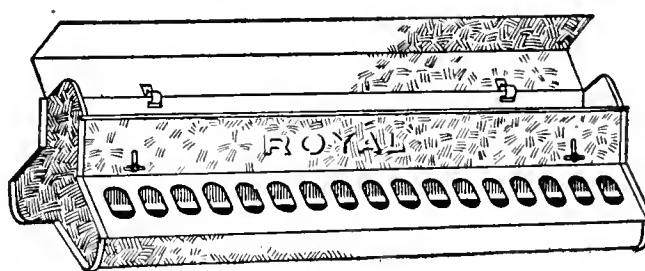
Patented June 6, 1923

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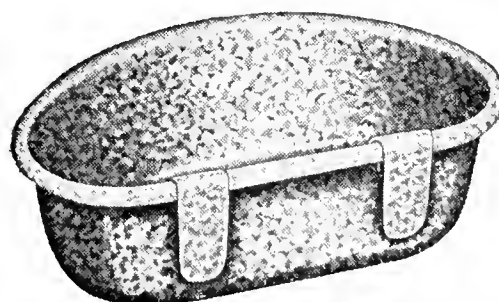
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COOP CUPS



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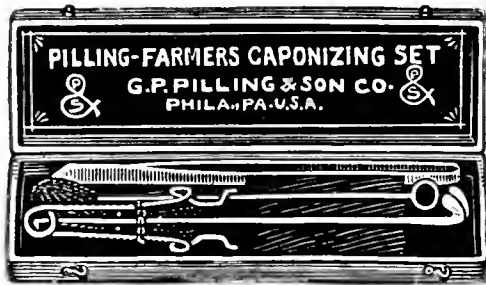
CORNELL CAPONIZING SET



This is the best set made. Many experiments in the use of various caponizing instruments recently carried on by Prof. E. W. Benjamin. Instructor of the Department of Poultry Husbandry at Cornell University, resulted in the manufacture of this wonderful set. It has knife and forceps, hook, probe, testicle remover, twisting

scoop, spreader, tie cord and hooks complete in a velvet box. Price\$6.00

PILLING-FARMERS CAPONIZING SET



This set is very popular. It has a caponizing knife and forceps combined, a twisting scoop, probe, spreader, cord and hooks, all complete for caponizing.

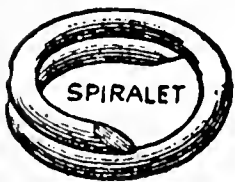
Price, in velvet lined case.....\$3.50

POULTRY KILLING KNIFE



These are made of finely tempered instrument steel.
Price, each\$0.60

COLORED SPIRAL LEG BANDS



Made in all colors. These bands are very light and last indefinitely. Easily adjusted.

Poultry Size

12 for	\$0.20	100 for	\$0.75
25 for .....	.35	1000 for	5.50

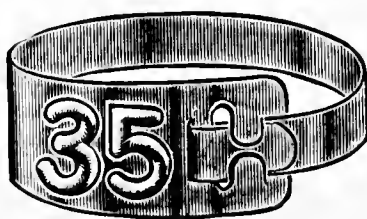
Pigeon and Chick Size

12 for	\$0.15	100 for	\$0.50
25 for .....	.25	500 for	2.00

POULTRY LEG BANDS



Double Clinch



Challenge Adjustable

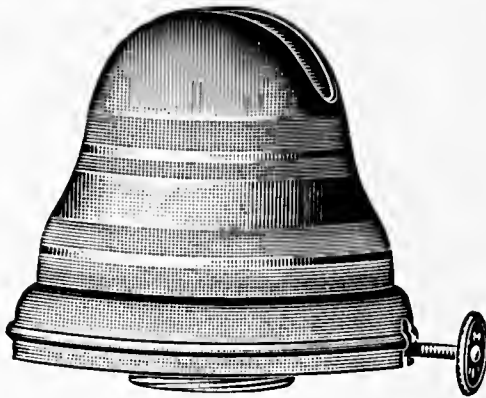
Leader Adjustable and Challenge Adjustable

These bands are adjustable to any size fowl, from Bantam to Turkey. They are stamped with large, raised numbers. Fastening is very neat and secure. Also with no catching edges.

PRICE

12 for	\$0.20
25 for .....	.30
100 for .....	.75

"ZENITH" LAMP BURNERS



A "No-Chimney" burner for Incubators, Brooders, Fountain Heaters etc. Perfect combustion without a chimney. When used with our lamp found the No. 1 burner is suitable for a lamp box 7 in. high, and the No. 2 burner for a lamp box 9 in. high.

No.	Size	Diam. of Thread	Diam. of Cone	Size Wick	Ship Wt. Doz.	Each	Price Doz.
200	1	7/8"	2 5/8"	5/8"	2 lbs.	.50	\$6.00
201	2	1 1/8"	3 "	7/8"	4 lbs.	.65	7.50

SUN HINGED LAMP BURNERS

Used extensively by Incubator and Brooder manufacturers. So designed that perfect combustion is insured. Easily cleaned and trimmed.

No. 203 has a guide ring.



No.	Size	Diam. of Thread	Diam. of Cone	Size Wick	Ship Wt. Doz.	Each	Price Doz.
213	1A	7/8"	2 9-16"	5/8"	3	.35	\$4.20
202	2B	1 1/8"	2 7/8"	7/8"	4	.40	4.80
203	3	1 3/4"	3 9-16"	1 1/2"	5	.65	7.50

LAMP BOWLS

No. 100—Lamp Bowl. Diameter 6 inches, height 1 1/2 inches. Has a side handle. Takes Size 1 burner. This is the same bowl as used in our No. 10 Fountain Heater. Price\$0.60

No. 101—Lamp Bowl. Diameter 6 3/4 inches, height 2 1/4 inches. Takes Size 2 burner, and Size 2 chimney. Price\$0.70

No. 102—Lamp Bowl. Diameter 8 inches, height 2 3/4 inches. Takes Size 3 burner, and Size 3 chimney. Price\$0.75

We carry in stock other styles of Burners, Bowls, etc., than those listed above.

METAL CHIMNEYS

For Incubators and Brooders. Made of galvanized sheet steel, with round mica window. The mica can be easily replaced if it should accidentally be broken. In two sizes.

No. 103—Metal Chimney. Height 6 inches. Fits Size 1 and 2 burners. Price.....\$0.30

No. 104—Metal Chimney. Height 6 inches. Fits Size 3 burner. Price.....\$0.30

INCUBATOR HYGROMETER

The use of the Incubator Hygrometer effectively lessens the percentage of chicks dying in the shell—due very largely to improper moisture conditions.

No. 5796\$1.75 each
Extra wicks.....\$0.15 each; \$1.50 doz.

THERMOMETERS

Brooder	\$0.85 each
Incubator without stand.....	.60
Incubator with stand.....	.75

POULTRY PUNCH

A poultry punch for marking baby chicks.

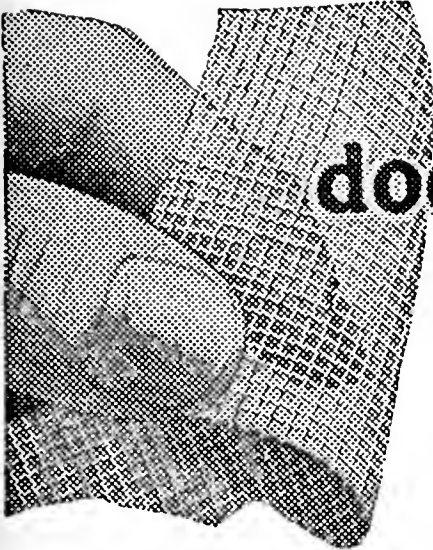
Guaranteed to work perfectly.

Price\$0.25



POULTRY REQUISITES

Flexible - but
doesn't crack or break



CEL-O-GLASS is a substitute for common glass, made of high-grade wire treated by a special process that fills the space between the strands with a clear tough, flexible, transparent substance that does not rub or peel off or become brittle.

CEL-O-GLASS is light in weight, unbreakable, and weatherproof. It can be cut to size with a pair of shears and fastened in place with a hammer and a few tacks. No glazing is necessary.

CEL-O-GLASS can very well be used instead of ordinary glass for chicken house windows, hot-bed sash, barn doors and windows, cellar doors, storm doors, and general outside construction. It transmits light almost as freely as ordinary glass, but diffuses the rays much more evenly.

Rolls, 3 feet wide up to 100 feet long. A standard 100 foot roll weighs approximately 44 pounds packed for shipment.

Price, \$1.40 per sq. yd.; 50 ft. Roll 150 Sq. ft., \$19.00.

EGG CRATES SURETY CUSHION

The "Surety Cushion" egg crate is constructed of only the best planed lumber. The ends are of solid, one-piece construction with grooved handles.

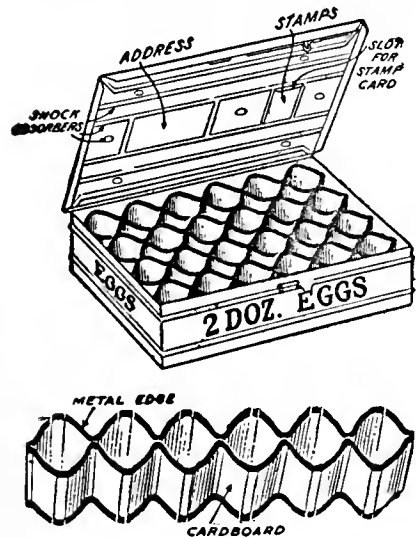
The patented "Surety Cushion" egg trays inserted one above the other holds the eggs in double pyramid cushion pockets and prevent the eggs from coming in contact with one another or with the walls of the crate. They also prevent the eggs from rattling about.

Size	Price
2 dozen	\$2.00
4 dozen	2.25
6 dozen	2.50

Extra Trays for above Crates
All sizes, 20c per tray

EGG CRATES—METAL

Eggs safely carried by mail, and crate can also be used in sending other products.



PRICES and SIZES

1-doz. size	\$1.00
2-doz. size	1.25
3-doz. size	1.50
4-doz. size	1.75
6-doz. size	2.00
9-doz. size	2.50
12-doz. size	3.00

FILLERS FOR ABOVE METAL BOXES

One tray holding six eggs	\$0.12
Six trays holding 36 eggs	.70
Stamp slips, 50 for	.25
Board separators	.02
Address cards	.02
500 wrapping papers	.30

EGG BOXES—PAPER

A very neat little box for delivering eggs direct to customers. Similar to boxes generally used but made stronger.

	PRICE
1 doz.	\$0.25
50	.75
100	1.25
500	4.75
1000	9.00

EGG PRESERVER. Water Glass. Keeps eggs fresh. Mix one part water glass to eleven parts water.

1 Pint	\$0.20
1 Quart	.30
1 Gallon	1.00

CARBOLA—A Disinfecting white paint, used extensively by poultry men. FOR USE in spraying cellars; it whitens and disinfects; also leaves a very pleasant odor. 5 lbs. \$0.75 10 lbs. \$1.25

EGG TESTERS LAMP	\$0.35 ea.
EGG TESTERS, ELECTRIC	2.25 ea.
EGG SCALE, RELIABLE	1.90 ea.
EGG SCALE, ACME	3.75 ea.
LIME NEST EGGS	\$0.5 ea. \$0.40 doz.
PORCELAIN EGGS	.05 ea. .50 doz.
POULTRY KNIVES	\$0.65

OAT SPROUTER

Collins, 5 pans	\$3.00
Collins, 8 pans	4.00

PRATTS POULTRY REGULATOR

24 ozs.	\$0.25
4 lbs.	.50

PRATTS LICE KILLER

14 oz. can	\$0.25
2 lb. can	.50

PRATTS DISINFECTANT

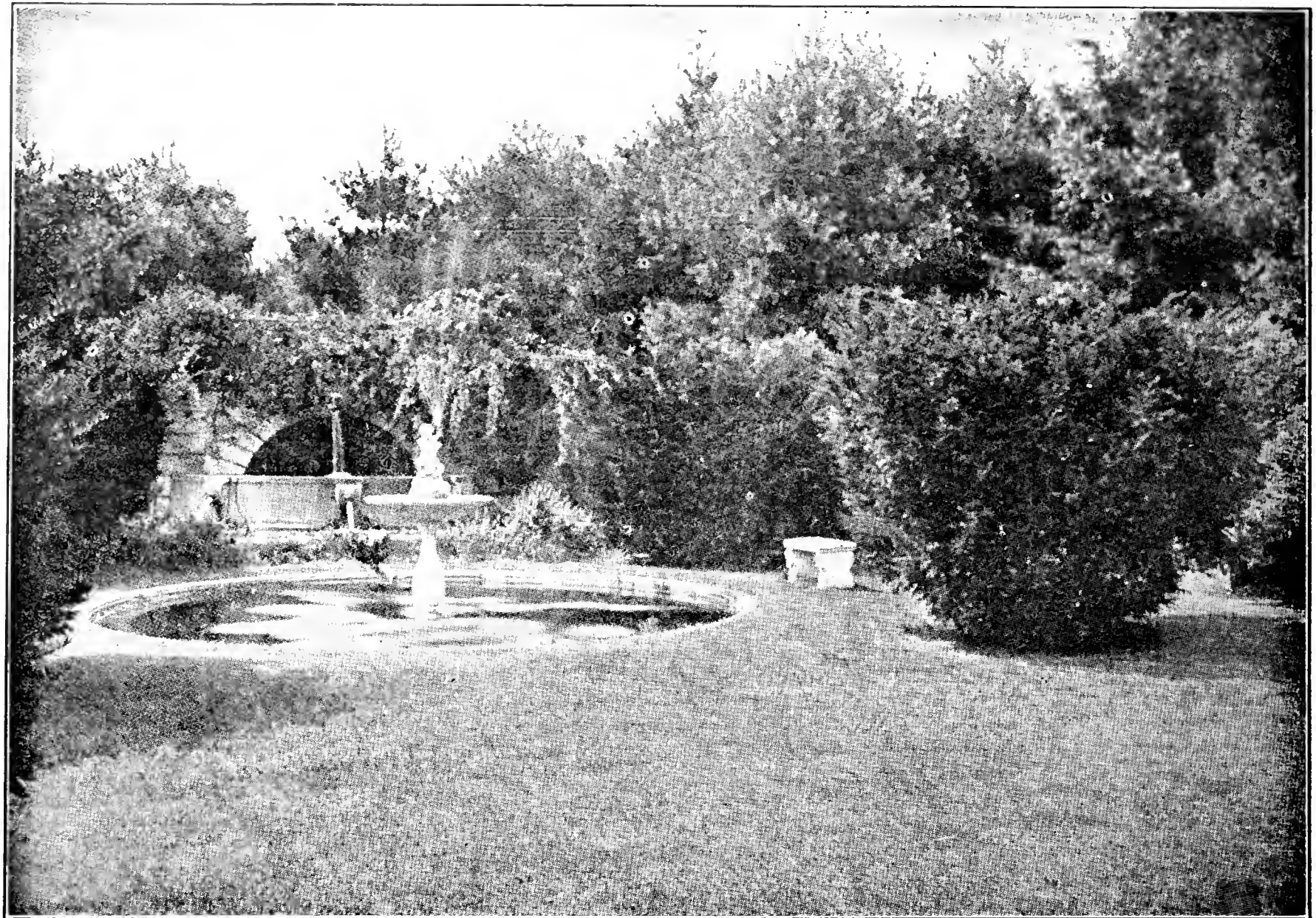
1 qt. can	\$0.60
2 qt. can	1.00

PRATTS COD LIVER OIL

1 gal.	\$2.50
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CONKEY'S Y-O

1 lb.	\$0.50
2 lb.	.90
5 lb.	1.60



MACNIFF'S "SHADY" LAWN GRASS SEED

It is hardly necessary to remind any reader of this catalogue of the futility of using ordinary grass seed mixtures for shady and damp situations. Many lawns are spoiled by the bare and unsightly spot where constant shade exists, and all efforts have failed to get grass to grow in these places.

To successfully combat conditions such as these, "MACNIFF'S "SHADY GLEN" LAWN SEED should be used exclusively.

This combination is composed of tried and tested fine-leaved evergreen varieties, which grow wild in the woods in their natural state, and will form a lawn that will be in keeping with the finest results obtainable under ordinary conditions.

Quantity Required

For new lawns, 10 oz. (1 qt.) will sow 10x20 (200 square feet).

Twenty pounds (1 bus.) will sow 100x100 ft. One hundred pounds to the acre.

For renovating old lawns, one-half of the above quantity is necessary.

1 qt. or 10 ozs., 35c; 4 qts. or 40 ozs., \$1.25; 1 peck or 5 lbs., \$2.25;

½ bushel or 10 lbs., \$3.75; 1 bushel or 20 lbs., \$7.00